

VHF-UHF DIGEST

SEPTEMBER, 1969

NR. 21

FM



msg

SPECIAL IN THIS ISSUE: BEGINNING OF A NEW SERIES:

"THE METEOR SCATTER CONCEPT" IN BOB'S TECH-NOTES.

HEADQUARTERS:

WORLDWIDE TV-FM DX ASSOCIATION
P.O. Box 5001, HARBOR STATION
MILWAUKEE, WISCONSIN 53204 USA

SOME VUDs HAVE BEEN RETURNED TO HQ AGAIN THE PAST 2-3 MONTHS DUE TO CHANGES OF ADDRESS, AND WE HAD TO PAY 10¢ TO GET EACH BACK. I PRESUME THEY ARE ALL FOR COLLEGE STUDENTS WHO DID NOT YET SEND THEIR CHANGES OF QTH TO HQ. IN AUGUST I BEGAN HOLDING VUDs FOR THOSE I SUSPECT OR KNOW HAVE MOVED, AND HAVEN'T SENT THE NEW QTH TO MILW HQ. ISSUES ON HAND FOR WHICH 30¢ SHUD BE REMITTED: MAY VUD FOR PAT DYER; JULY VUD FOR JERRY DEE; JULY VUD FOR STU GRADE; JUNE VUD FOR PAUL PETERMAN; JULY VUD FOR SANDY SMITH. IN ADDITION I HELD THE AUGUST VUD FOR STU GRADE BECAUSE I DIDN'T KNOW WHERE TO SEND IT. IF ANYONE KNOWS WHERE HE CAN BE REACHED, PLEASE INFORM HQ. I HAVE 4 POSSIBLE QTHs BUT DON'T KNOW WHERE HE'LL BE WHEN THE VUD WUD ARRIVE THERE, WHICH IS 2-4 WEEKS AFTER IT IS MAILED.

IN ADDITION A SAMPLE FOR MARTIN J. HILL, JR OF AURORA, COLO. 80010 WAS RETURNED FOR INCORRECT ADDRESSs, (1067 URSULA). IF ANYONE KNOWS HIS QTH PLEASE SEND SAME TO HQ, TOO.

WHEN WE AGREED TO PAY FOR RETURNED VUDs(RAHTER THAN HAVE THEM THROWN AWAY AT THE DEAD-LETTER OFFICE), WE PRESUMED THE MEMBER WHOSE VUD WAS RETURNED TO HQ WUD OUT OF COMMON COURTESY SEND THE 30¢ TO HQ FOR REMAILING. HOWEVER, IT APPEARS SOME MEMBERS DON'T FEEL THE 30¢ IS WORTH IT AND HQ IS GETTING STUCK WITH SOME OF THESE COPIES AND THE ADDED EXPENSE IT COSTS HQ. IF THESE ISSUES ARE NOT CLAIMED WE WILL REVERT TO THE OLD METHO D OF LETTING THE DEAD-LETTER OFFICE HAVING THEM. SO IT IS TO YOUR ADVANTAGE TO LET US KNOW YOUR NEW QTH ASAP AND CLAIM YOUR B#ACK-ISSUES PROMPTLY. WE ARE CUTTING OUR PRESS-RUN TO ELIMINATE THE SUPPLY OF BACK-ISSUES ON HAND DUE TO SHORTAGE OF STORAGE SPACE. HENCE IF 2 OR 3 OF YOUR VUDs GO TO THE DEAD-LETTER OFFICE BEFORE YOU WRITE TO HQ ABOUT IT, YOU MAY NOT BE ABLE TO OBTAIN THOSE MONTHS' ISSUES FROM HQ ANYMORE EITHER SO YOU ARE LOSING OUT. THE CURRENT SUPPLY OF BACK-ISSUES IN STORAGE HERE IS DWINDLING, AND WE EXPECT THAT THE TV GUIDE INQUIRIES WILL ALL BUT DEplete THE SUPPLY ENTIRELY; ISSUES FROM OCTOBER, 1968 TO DATE ARE IN STOCK EXCEPT DECEMBER AND FEBRUARY. IF YOU WANT ANY OR ALL OF THESE, SEND YOUR 25¢ EACH PROMPTLY OR YOU MAY LOSE OUT. FOR THOSE ISSUES WHICH ARE ALREADY SOLD OUT, GOING BACK TO NOVEMBER, 1967 WE CAN PHOTOCOPY ANY YOU WISH AT 15¢ PER PAGE UP TO 5, AND 12¢ PER PAGE OVER 5. QUALITY CANNOT BE GUARANTEED BUT ALL WILL BE LEGIBLE. (SOME PAGES WHICH PRODUCED POORLY ORIGINALLY WILL NOT BE ANY BETTER WHEN COPIED.) IN ADDITION, PAGES FROM SOME LATER AIPA ISSUES AND NEARLY ALL DXING HORIZONS, AND NEARLY ALL OF THE LATER RADIO-ELECTRONICS TV-DX ARTICLES CAN ALSO BE COPIED IF WE HAVE THEM IN STOCK AT HQ.

WE THOUGHT THAT THE SUNSPOT CYCLE HAD PEAKED LAST YEAR AND WAS ON THE WAY DOWN, BUT IT HAS HELD UP SURPRISINGLY WELL A,D WE'LL APPARENTLY HAVE ANOTHER(?) GOOD WINTER OF F2 SKIP. THE TV GUIDE ARTICLE (WHICH WAS PRINTED ALMOST ENTIRELY IN THE STATES EAST OF THE MISSISSIPPI ONLY) HAS PRODUCED NUMEROUS REQUESTS FOR INFO ON HOW TO SEE EUROPE. I HAD NOT BEEN KEEPING UP ON THE SUNSPOT COUNTS AND I TOLD THE TVG PEOPLE THAT THEY MIGHT GET SOME AUDIO NEXT WINTER BUT NO VIDEO. HOWEVER NOW IT APPEARS THE COUNT MAY BE AS HIGH AS LAST WINTER OR MAYBE EVEN HIGHER. WHILE THIS IS NO GUARANTEE THAT WE'LL SEE EUROPE, AUSTRALIA OR NEW ZEALAND, WE NOW HAVE HOPE AGAIG ANYHOW. LAST WINTER WAS HURT BY THAT PROTON EVENT THAT KEPT THE NOVEMBER COUNT DOWN AT 88.3 AND IT VIRTUALLY RUINED THE REST OF THE SAESON. HOWEVER, BY MARCH THE MONTHLY AVERAGE COUNT WAS UP TO 138.5, AND INDIVIDUAL DAILY COUNTS OF OVER 200 OCCURRED IN FEBRUARY, MARCH, AND MAY. WE ONLY HAVE THE COUNTS THRU MAY, BUT THE SITUATION LOOKS GOOD FOR NEXT WINTER SINCE THE COUNTS IN THE FIRST FEW MONTHS OF 1969 WENT UP OVER LAST WINTERS COUNTS. MONTHLY COUNTS SINCE THE DEVASTATING PROTON EVENT:

NOV.68 AV. 88.3 JAN.69 AV. 104.5
DEC.68 AV. 112.9 FEB.69 AV. 120.9

MAR.69 AV. 138.5
APR.69 AV. 105.2
MAY,69 AV. 120.0

HQ STAFF THIS MONTH FOR PUBLISHING CHORES:
FERDINAND DOMBROWSKI G. A. OLSON
DAVID T. JANOWIAK M. S. GOLDMAN

THE TV GUIDE ARTICLE BY GLENN HAUSER IN THE AUGUST 2-8 ISSUE HAS PRODUCED 95 INQUIRIES AS OF 30 AUGUST. MORE NEXT MONTH.

DUE TO UNFORTUNATE CIRCUMSTANCES, THE "STATION BREAK" ADS WILL NOT APPEAR THIS MONTH, BUT WILL DEFINITELY APPEAR NEXT MONTH FOR SURE. SORRY ABOUT THAT.

FCC NEWS & DATA

Mark Lewis
224 Honiton St.
Downsview, 475, Ontario.
Canada.

FREQUENCY MODULATED STATIONS OPERATING AS OF July 9, 1969

Commercial FM 2018
Educational FM 377
Total FM's 2395

FCC COMPLETED ACTION (final actions)

- *Riverside Calif. Loma Linda Univ. Bc. Co. 89.7 mc. 1.405 kw. Ant. 72.7' aat.
- Ironwood Mich. Upper Mich.-Wis. Bc. Co. 99.7 mc 52 kw 620' aat.
- Murfreesboro N.C.--Murfreesboro Bc. Corp. 98.3mc. 3 kw 287' aat.
- *Dayton Ohio--Mad River Board of Educ. 89.3 mc 10 w.
- Falmouth Ky.--Warren J. Shonert 95.3 mc. 3kw. 171' aat.
- Gainesville Fla.--Gerler Bc. c. 105.5 mc. 3 kw. 300' aat.
- Fayetteville Tenn--Time Bc. Inc. 105.5 mc. 3 kw. 295' aat.
- Oneonta N.Y. Tryon Bc. Co. 103.9 mc. 500 w. 650' aat.
- Belton Tex.--Belton Bc. Inc. 106.3 mc 950 w. 490' aat.
- Orange Tex.--Charles Hubert Kobs 104.5 mc. 55 kw 215' aat.

STARTS AUTHORIZED

- KWEH-fm Camden Ark. Authorized program start on 97.1 mc. erp. 39kw, ant 185' aat.
- KEHG-fm Fosston, Minn. 107.1 mc. 3kw erp., 110' aat.
- KSIB-fm Creston, Iowa 101.7 mc. 3 kw., 255' aat.
- WORJ-fm Mount Dora, Fla. 107.7 mc. 100 kw. 360' aat.
- WRCK-fm Tuscumbia Ala. 106.3 mc. 3 kw. 86'
- KEQR(FM) Chico, Calif. 93.7 mc. 5.1 kw, 300'
- KGIW-fm Alamosa, Colo. 93.5 mc. 2.8 kw 130'
- WSEA(FM) Georgetown, Del. 93.5 mc. 2.1 kw, 350'
- WWRH(FM) Columbus, Ga. 104.9 mc. 3 kw, 49' aat.
- *KVPC(FM) Fairfield, Iowa, 89.5 mc, TPO 10 w.
- KDBS-fm Alexandria La. 100.3 mc. 3 kw
- KBMO-fm Benson Minn. 93.5 mc. 3 kw 160'
- WMRV(FM) Endicott N.Y. 105.5 mc 3 kw. 300'
- WSEF-fm Seneca Falls, N.Y. 99.3 mc. 3 kw 235'
- WGCR-fm Wellsboro Pa. 97.7 mc. 670 w. 570'
- WXOS(FM) Plantation Key, Fla 100.3 mc. 100 kw 450'
- KTUH(FM) Honolulu 90.5 mc, 10 w.
- WOGM(FM) Bellefontaine Ohio 98.3 mc 1.3 kw 430'
- KKMA(FM) Pryor Okla. 104.5 mc. 100 kw 320' aat.

THE FOLLOWING STATIONS HAVE
NOTIFIED THE FCC THAT THEY ARE CONDUCTING STEREOPHONIC OPERATION:

- KBBL-fm Riverside Calif
- *KCMW-fm Warrensburg Mo.
- KNUS-fm Dallas
- KYWN-fm Wynnee Ark.
- KYTE Livermore Calif.
- WELO-fm, Tupelo Miss.
- *WGUC Cincinnati Ohio
- WHLI-fm Hempstead N.Y.
- WKJB-fm Mayaguez P.R.
- WOOO-fm DeLand Fla
- WRMN-fm Elgin Ill.

CHANGES TO ALREADY EXISTING STATIONS

- *KTEO-fm Phoenix Erp 100 kw ant to 1,630'
- KTEO(FM) Riverside Calif. 2 new xmtrs used w/new dual polarized ant. erp to 49 kw ant to 165' horiz., 160' vert.
- WMAL-fm Washington erp to 50 kw,
- WLBE-fm Leesburg Fla. ERP to 50 kw
- *Augusta College Augusta Ga. mod of CP erp 6.1 kw
- WDET(FM) Detroit move ant-trans. to 278 East Forest Det. ant to 300 feet.
- WGPR(FM) Detroit erp 50 kw ant to 360'
- WSWM(FM) East Lansing Mich erp to 110 kw.
- WTOA(FM) Trenton N.J. 97.5 mc. 50 kw, 414'
- WRFY-fm Reading Pa. 102.5 mc. Erp 15.1 kw hor. 11.2 kw vert 538'
- WPJB-fm Providence R.I. ERP 50 kw ant 500'
- WLEG-fm Laurens S.C. ant to 446' horiz 441' vert.
- *North Texas State Univ. mod of cp circular polar. ant. erp 440 w. 125'
- KINT-fm El Paso mod of cp to change ant 1,080'
- KHEN-fm Henryetta Okla 57 kw 255'
- KMSC(FM) Clear Lake City Tex. ant to 100'
- WVLE(FM) Kaukauna Wis. circ. pol. ant to 200'
- WIAM-fm Williamston N.C. circ. pol. ant. to 210' 12.5 kw.
- KTCR-fm Minneapolis Minn. move ant-xmtr & studio to 3701 Winnetka-North New Mt. Hope Minn use new dual polarized ant, change tpo-7.57 kw ERP 50 kw ant, 229' a.a.t.

WKOF(FM) Hopkinsville Ky. move ant-xmtr. ant to 93'
WJAX-fm Jacksonville, Fla. erp 38 kw, ant 560'
WWWS(FM) Saginaw Mich ant to 360' Erp to 2 kw
KPNW-fm Eugene Ore. erp to 97 kw, ant to 1,460'

-CALL Letter Changes-----

KXQR(FM) Fresno, Calif rq. KGNU(FM)
KDFR(FM) Tulare Calif. rq KNUU(FM)
KUDU-fm Ventura Calif. rq KBBY(FM)
WMJM-fm Cordele, Ga. rq WFAV(FM)
KGMI-fm Bellingham, Wash. KVGK(FM)
WSAU-fm Wausau Wis. rq WIFC(FM)
KXJK-fm Forrest City ark. rq KBFC(FM)
KEIR(FM) Dallas rq KCCD(FM)
KLUE-fm Longview, Tex rq KHER-fm
KPOP-fm Roseville Calif gtd. KPIP(FM)
KNBQ(FM) Bethany Okla. gtd KGOY(FM)
KPAK(FM) El Paso gtd KSET-fm

ACTION APPLIED FOR OR REQUESTED-----

Sun City Ariz. 106.3 mc 3kw, 108' aat.
Camarillo, Calif. 95.9mc, 3kw, 193'
*Elsah Ill. 90.5 mc. 10 watts
*International Falls, Minn. 90.7mc 10 w
Grenada, Miss. 100.1 mc 3 kw 108' (Grenada Bc. Co seeks June 23)
Chesapeake, Va 94.9mc 50 kw 101' aat.
Grand Rapids Mich. 90.1 mc 10 w 500' aat.
Tuscon Ariz. 93.7 mc 28.4 kw minus 38' aat
Berlin Conn. 105.9 mc 7 kw 750' aat.
Grenada Miss. 100.1 mc 3kw 300' aat (Pemberton Bc. Co. seeks July 7)
Norfolk Va. 99.7 mc. 50 kw 270.72' aat.

CALL LETTER APPLICATIONS-----

WNUS McLondon Corp Chicago rq WYNE
KRAF Wayne A. Moreland Reedsport Ore. rq KDUN
KIXF Dale A Owens Fortune Calif gtd KNCR
Mauna Kea Bc. Co Hilo Hawaii rq KKEA(FM)
Mauna Kea Bc. Co. Kailua Oahu Hawaii rq KKAI(FM)
Board of Edu. Minneapolis rq *KBEM
Calvary Bible Coll. Kansas City rq *KBES(FM)
Virginia Bc. Co. Virginia Mo. rq WHLB-fm
Murfreesboro Bc. Corp Murfreesboro N.C. rq WWDR-fm
Reading Comm. Schools Reading Ohio rq *WRCJ(FM)
Sunland Bc. Co. El Paso. rq KIZZ-fm
Rodio Radio Inc., Egg Harbor N.J gtd WRDR(FM)
Charles H. Chamberlain Bellefontaine Ohio Gtd WOGM(FM)
Mercer Island School Dist. 400 Mercer Island Wash. gtd *KMIH(FM)
Lankford Bc. Co. Du Quoin Ill. rq WDNQ-fm
Almardon Inc. of Fla. Pompano Bch. Fla gtd WRBD-fm
Glenbard W. High Sch. Glen Ellyn Ill gtd *WGHS(FM)
Piprad Bc. Co Lafayette Ind. gtd WXUS(FM)
PARsons Coll. Fairfield Iowa gtd *KVPS(FM)
Univ. Calif. Irvine Calif. rq. *KUCI(FM)
Metro Indianap. TV Ass'n Indianapolis rq *WFYI(FM)
Time Bc. Inc Fayetteville Tenn. rq WYTM-fm
Augusta Coll. Augusta Ga. gtd *WACG-fm
*-----S.C.A.-----
WEDR(FM) Miami gtd 67 kc.
Chester County Bc. Corp Chester S.C. gtd 67 kc.
WHBI(FM) Newark N.J. adds 41 kc and retains 67 kc. now Bc. part of day in stereo &
WADB(FM) Point Pleasant N.J. gtd 67 kc.
WCOV-fm Montgomery Ala gtd 67 kc.
13's and 14's mark
WNUS-fm Chicago rq. WNDI-fm (June 30)
KTSA-fm San Antonio Tex. rq. KTFM(FM)
WFFM(FM) Muskegon Mich rq WMUS-fm
KWCW(FM) Bartlesville Okla gtd KYFM(FM)
*WVMS(FM) Chattanooga gtd *WKES-fm
WNUS-fm Chicago rq WVII(FM) (July 14)
KCNM(FM) Carlsbad N.M. rq KBAD-fm
WEMP-fm Milwaukee rq WNUW-fm
WTBC-fm Tuscaloosa Ala. gtd WUCA(FM)
KEBE-fm Jacksonville Tex. gtd KOOI(FM)
KFMP(FM) Port Arthur Tex. gtd KCAW-fm
Pocatello, Idaho 94.9 mc. 100 kw 903.5' aat.
*Yuma, Ariz. 91.5 mc TPO 10 w 150'
KLIK Radio 950 inc. Jefferson city mo. rq
Lexington Bc. co. Lexington mo. KJFF(FM)
requests. KLEX-fm
Central texl Coll. Kileen Tex .rq *KNCT-fm
(FM) Harrison-Washington Communications
School Gaston Ind. gtd *WDHS(FM)
Urbana City Bd. of Edu. Urbana Ohio gtd *WUHS(FM)
Linton Bc. Collinton Ind. rq WBTO-fm
Chs. Kobs Port Arthur tex rq KTGL-fm
PBW Bc. Co. Webster City Iowa rq KWAU(FM)
E.O. RODEN&ASS. Gulfport Miss. rq WTAM(FM)
Wm. Fridall Sr. Moncks Cr. S.C. rq WWMC(FM)
Mad River Bd. Edu. Dayton Ohio rq *WSMR(FM)
Voice of Puerto Rico Ponce P.R. gtd WPRP-fm
Okla. Bc Co. Ada Okla gtd KTIEN-fm
Tri-cities Bc. Corp Gate City Va gtd WGAT-fm
Arthur Cervi Linesville Pa. gtd WVCC(FM)
Hartwick Coll. Oneonta N.Y. rq. *WRHO(FM)
Bill Garrett Bc. Corp Slidell La rq WVSL-fm
Adams St. Coll. Alamosa Colo. gtd. *KASF(FM)
Southern St. Coll. Springfield SD. gtd *KSTI(FM)
CJOY-fm Guelph ont. 106.1 is now on the air
5pm-10 pm in stereo with good mx. format.
WGR-fm 96.9 Buffalo (all idents are fm97)
when simulcasting with AM turn stereo sig.
off and the light goes off on my rcvr.



Roger W. Winsor
718 N. Fremont Road
Valparaiso, Indiana
46383

FM DX Reports for September 1969

Deadline is the 10th of each month

Bruce Elving 522 North 12 $\frac{1}{2}$ Avenue East Duluth, Minnesota 55805

During the portion of the year that I have lived in Duluth, DX has not been bad, although skip has been conspicuously absent. Several of my log additions are new stations, but none of these has posed any threat to the reception of other DX on their channels. (Sob RWW) I am surprised that with the band filling up with new stations, long distance trop DX is still possible here whenever there is the slightest opening. New DX includes WIXK 107.1 New Richmond, Wis, KDCR 91.3 Sioux Center, Iowa, KWWL 107.9 Waterloo and KNEI 103.9 Waukon, all Iowa; WOCO 107.1 Oconto, Wis; WCCO 102.9 Minneapolis, KLFD 95.3 Litchfield, KKLP 98.7 Princeton, KMHL 100.1 Marshall and KKWS 105.9 Wadena, all Minn. A good opening July 12 and 13 brought in many of the SW Minnesota DX plus KNWC 96.5 Sioux Falls, KWAT 96.1 Watertown, both SD and KDLO-FM 96.9 which IDs as Garden City, SD, although licensed to Watertown. Also grasped were KLIN 107.3 Lincoln, Neb. WPRE 94.3 Prairie du Chien, Wis, the only Wis. station w/an antenna listed below average terrain, and KGRC 92.9 Hamibal, Mo for a log total of 838, or 16 for the year. 758 of these are verified. I also picked up KRCB 98.5 Council Bluffs, Iowa, but unlike many other DXers, count this as the same station as KFMY on 96.5 which was affiliated w/the same AM station 1560kc until its deletion in about 1952. Fred Nordquist is wrong in saying that WDDS 93.1 Syracuse is AN. Just because they were noted after 0030 should not lead to the assumption that a station is AN. WDDS, as well as WWOR and WBUF s/off @0200.

Joseph Fela, Jr. 167 Goodwin Avenue Newark, New Jersey 07112

Greetings. I finally added a decent FM antenna, a Finco FM-4G, and it's a great improvement. Now 64 commercial plus about 14 educ. stations come in on gw. Furthest are WAMU 88.5 DC, WXTG 107.9 Md, WESR 103.3 Va., and WBOC 104.7 Md, which are in the 125-200 mile range. It would be interesting to see what else could be hrd. if some of the locals weren't there. Many of them run AN-7 and have never been off the air. (WCBS 880 can hang it on their nose right Joe?RWW) Recent DX: all times EST 7/6 2311 s/off WBR 98.5 Pa. 7/7 0005 s/off WONO 107.9 NY very faint and fluttery; 2317 WNEF 98.1 NY noted at times w/WCAU nulled(WNEF has been noted since running AN, does their AM also run AN?); 2230 WHP 97.3 Pa.w/cw mx and 2344 WDKC 106.5 NY good at times. 7/8 2235 to 2300 s/off WEEP 107.9 w/cw mx; 2302 WNOB 107.9 Ohio, weak; and 2357 s/off WYDD 104.7 Pa. 7/9 0007 WEJL 107.1 Pa. faint w/WRLB off; 0045 s/off WMAL 107.3 DC to return @0600; 0047 Rochester NY 92.5 noted, very faint. Hrd. call and freq. given twice, but couldn't make out call. Is it still WBBF? (WBBF) 0106 WKWK 97.3 WVa weak, but clear, AN w/rock // to 1400 AM; 0130 WAKR 97.5 RWW Ohio said AN-7; 0203 WHTG 106.3 NJ noted conducting ET of AM, FM requesting reports; 2259 WSBA 103.3 Pa.; and 2330 WJEJ 104.7 Md. fair. 7/13 2158 WLAN 96.9 Pa. w/WFPG nulled. 7/15 2129 WESR 103.3 on late w/Va election returns, believe this was their first night of operation, as they seem to have been s/off w/AM at LSS; 2300 s/off WMAR 106.5 Md.; 2303 WBAI 99.5 NY (a strong local) noted being knocked around by WJBR 99.5 Del. Also noted since on many other occasions, WBAI nulled, of course, but the antenna is still within line of sight of WBAI's tower, the Empire State Building. 2337 WRVA 94.7 Va. w/election returns; 2343 WBMD 105.7 Md. w/cw mx; 2358 s/off WNCT 107.7 NC. 7/16 0433 WBT 107.9 NC fair, furthest trop to date, now for SC. 0446 s/on WINE 95.1 Conn // to AM; WBTM 103.3 Va. weak, quickly killed by WESR's carrier. 73 for now.

Herbert Campbell Box 35, R. D. 2, Athens, Pennsylvania 18810

July signs off with a couple brand new FM stations out in this neck of the woods. WMRV 105.5 stereo with 3kw ERP is now on in Endicott, NY. This is owned by WENE, Inc. and I do not think that they simulcast at any time. on 7.2 WGCR "Grand Canyon Radio", Wellsboro, Pa. came on the air. They operate stereo on 97.7 mHz w/2kw. This is a fully automated station, practically all music. Taped, it sounds like a continuous DX program. Hi. I believe that this is a "Farm & Home" station. CE is Robert Saylor. A few Es has been noted this season. WSWN 93.5 and WDBO 92.3, both Fla. (both during the worst hail storm in memory), KGUS-FM in Okla., 97.5 and KSOZ 88.1 Mo. Guess that is all. By the way, does anyone know if Canada has put a new FM station on about 95.3? (Herb, CKDS 95.3 100kw in Hamilton, Ont. is fairly new, nothing known about 95.5. Welcome to the columns, and I hope you report regularly. RWW)

Albert J. Kopec R. D. 1 Himrod New York

7/2 Local WSEF 99.3 Seneca Falls, N Y reported testing. RS on 7/7. CJBQ 97.1 Ont @1942; 7/4 CKWS 96.3 Ont @0005, WAKR 97.5 Ohio 0045, CKDS 95.3 Ont 0054, WAZL 97.9 Pa 0100, WDKC 106.5 NY 0118, WCJW 104.1 Ohio 0125, WWOL 104.1 NY 1555 and WPMN 103.1 Newburg, NY @1631. 7/5 WEEX 99.9 Pa 0156, WMMR 93.3 Pa 0220, WWDB 96.5 Pa 0300 w/new call. Previously logged WHAT-FM. CJMS 94.3 Que. 0346, WBCN 104.1 Mass 0351, WHRL 103.1 NY 0400, WBFG 88.7 NY 1555, and WIZR 104.9 NY @2031. 7/6 still more tropes with CHFI 98.1 Ont. 1233, WFLN 95.7 Pa 1933, WXPB 88.9 Pa 1950, WWDL 104.9 Pa. 2030, WPGM 96.7 @2100, WFPG 96.9 NJ @2105, WXUR 100.3 2130, WDVR 101.1 2132, WAEB 104.1 2200 and WLBR 100.1, all Pa. @2200. 7/9 WBGO 88.3 NJ @1014, WAMU 88.5 DC 1030 and WRTI 90.1 Pa @1100. 7/10 WEST 96.1 Pa @0055, WHP 97.3 0100, WASH 97.1 DC 0100, WFEN 102.9 0105 and WLPL 92.3 Md. @0114. (Al, this is the correct call. RWW) (You really use only a White's Log? Information is very incorrect in this. Vane Jones Log #5 is out for \$2.50 by ordering to Howard W. Sams & Co., Inc., Indianapolis, Indiana 46206 RWW) More 7/10 DX WPGC 95.5 Md 0133, WSTW 93.7 ex WDEL-FM Delaware @2354 and WBFO 88.7 Buffalo at 2356. 7/11 WBJH 101.5 NJ @0000, WKWK 97.3 WVa 0047, WDCX 99.5 NY 0100, WAMO 105.5 Pa 0104, CKGM 97.7 Que 0130, WWGO 103.7 Pa 0200, WDFM 91.1 Pa. @0005 on 7/12, CFPL 95.9 Ont. @0035, CBL 94.1 Ont @0100. Previously logged old CBC-FM on 100.7. WDAC 94.5 Pa 0100, CFCA 105.3 Ont 0107, WFJL 107.1 0110, WNEW 102.7 NY 0118, WABC 95.5 0145, WRFY 102.5 Pa 0155, WTOW 101.9 Md 0200 WPIX 101.9 NY 0200, WFUV 90.7 NY @1500, WBJC 91.5 Md. @1501, WDAS 105.3 Pa 1650 and WWDL 104.9 Pa again @1700. 7/13 WKNE 103.7 NH @0001, #237 addition and a new state! CJMS 94.3 Que 0007, WWCO 104.1 Conn 0030, WBCN 104.1 Mass 0036, WDKC 106.5 NY 0045, WCRX 102.1 Mass 0055, WWSC 95.9 NY 0130, CJFM 95.9 Que 0130, WALK 97.5 N Y 0152, WFAN 100.3 DC 2100, WGAL 101.3 Pa. @2106, WTTR 100.7 Md 2130 and WTPA 104.1 Pa. @2200. 7/19 CFRC 91.9 Ont @0030, WSFM 99.3 Pa 0051, WNAV 99.1 Md 0101, WASH 97.1 DC 0104, WBPZ 92.1 Pa 0111, KQV 102.5 Pa 0122, WJAS 99.7 @0135, WRVA 94.5 Va 0201, WAVA 105.1 Va 0208 and WEZR 106.7 Va @0216. 7/20 WMAL 107.3 DC 0046, WKDN 106.9 NJ 0100, WAKR 97.5 Ohio 0114, WSOM 105.1 Ohio 0200, WNOB 107.9 Ohio 0230, WWSW 94.5 Pa. @0233, WQAL 106.1 Pa. 0245, WMOD 98.7 DC 0252, WPBS 98.9 Pa 0301, WIBG 94.1 Pa 0309, WMLP 100.9 Pa 1000, WEOK 101.5 NY 1800, WUHY 90.9 Pa 1900 and WGTS 91.9 Md @1930. 7/21 WSOU 89.5 NJ @1800. 7/22 WFMZ 100.7 Pa 1805, WKCR 89.9 NY 2100. 7/23 WTTR 100.7 again @1730. 7/24 WSBA 103.3 Pa 0737, WLBR 100.1 Pa 1806, WNOW 105.7 Pa 0614, Es in WHMS 92.1 Elorida @1703, more tropes WBJC 91.5 Md 1711, WGBH 89.7 Mass 2000, WESR 103.3 Tasley, Virginia. (20kw RWW). 7/27 WIBF 103.9 Pa 0004, WBOC 104.7 Md @0005, WLOA 96.9 Pa @0055 and CBF 95.1 Que @0103. Totals rose from 203 from WSEF to 262 with the addition of CBF. Receiver is a Zenith AM-FM table model with Winegard Stereotron antenne, 8 elements amplified. All times used was EDT.

Larry Vogt 8309 Greeley Blvd. Springfield, Va. 22152 EDT

Can't complain too much about July. My first new station was WUOQ 91.5 Pittsburgh on 8th. At 200 miles they're 2.75kw/minus 5 ft. WNUF 100.7 New Kensington, Pa. same date. 7/12 @0200 logged WMVB 97.3 Millville, NJ w/ progressive rok, WKWK 97.3 Wheeling, WVa and WAKR 97.5 Akron, Ohio (270 mi.) at 1415 that day Es made it to FM for just enough time to log KBFL 90.3 in Buffalo, Mo. 1.15kw/870 mi. 7/14 WOUB 91.3 Athens, Ohio, at 50kw/260 mi. they are hrd regularly. 2200 that night brought extended tropes to NW. In addition to Ohio, Mich. and Ill., I logged new stations WHKW 89.3 Chilton, WHAD 90.7 Delafield and WHIA 90.3 Holmen, all Wisc. & between 700 & 800 miles away. 7/15 @2200 similar CX. Logged WNIU 89.5 DeKalb, Ill. 2.5kw/630, WYDD 104.7 Pittsburgh WUOM 91.7 Ann Arbor and semi-local WTPA 104.1 Harrisburg, Pa. and hrd all 7/14 stations again. WUOM finished the educational frequencies for me. 7/27 WKLC 105.1 St. Albans, WVA, WTOF 98.1 Canton, Ohio, WTMS 100.7 Cleveland (note call RWW) and CJRT 91.1 Toronto 370 miles. Then, the BIG day, 7/29. Es in when I got home and I picked up two new states: WDBL 94.3 Springfield, Tenn. @1640/570, KGRC 92.9 Hannibal, Mo. @1632 and again @1636 100kw/760, WFTM 95.9 Maysville, Ky @1636 3kw/only 350 miles, KCMW 90.9 Warrensburg, Mo. @1642 30kw/920 mi. (Sorry to break your and Bob McArthur's bubble, but note that KCMW recently increased ERP to 30kw. I, too, logged them, but per phone conversation w/a staff member, went up to 30kw this month. RWW) 1646 WSTO 96.1 Owensboro, Ky 10kw/560 mi., WIFN 95.9 Franklin, Ind. 3kw/495 mi. @1653, 1700 WILL 90.9 in Urbana, Ill. only 300kw/600 mi., 1700 WISU 89.7 Terre Haute, Ind. 11.5/560 mi., WJRS 103.1 Jamestown, Ky. @1730 3kw/455. My highest freq. skip. 1730 WPLN 90.3 Nashville, Tenn. 15kw/570 mi., 1800 KRSL 95.9 Russell, Kansas 3kw/1165 mi., 1805 KLCN 96.1 Blytheville, Ark. state #27 21kw/725 mi. and 1702 KSOZ 88.1, KGCC 89.7 @1804. Around 1700 KCUR 89.3. The last 3 were hrd. previously. Some of this Es was from as close as 350 mi., while others was over 1100 miles. Since there was no trend toward lengthening or shortening skip, I wonder if the Ionized are was much larger than usual. Or could it be that the farther stns. were being reflected by the bottom of the ionization and the closer stns by the sides or at a much sharper angle. Some stations seemed to be darned near exactly $\frac{1}{2}$ way to others--or right under where the ionization should have been. It will be interesting to read other comments on this as well as to read about others who may have gotten skip the same time but from other areas. FM DXer Bob McArthur called me on 8/1 to tell me of a strange stereo signal on 91.1 (??? 89.1) It turned out to be Hamilton, Bermuda and that's not a bad way to start a month! There was no warning of this Es due to the lack of TV to the southeast, and that was the only station hrd, 1830-1845. My totals are now 195/27 states/3 countries.

Fred McCormack

Des Lacs, North Dakota 58733

EDT

FMDX here during July was scarce as far as the number of days observed, but when it occurred, I logged a number of new stations. Most interesting to me was my first logging on 107.1 by gw, particularly KDSN from Iowa. Here is what I hrd: 7/11 KPRM 103.7 Park Rapids, Minn. @0733, KKWS 105.9 Wadena, Minn. @0945, new. WPBC 101.5 Richfield, Minn. @1012, KLIZ 95.7 Brainerd, Minn. @1016, KVSR 97.9 RapidCity, SD @1125 new. 7/12 KEEY 102.1 St. Paul new @0125, WBIZ 100.7 Eau Claire, Wis. 0416 new, WSAU 95.5 Wausau, Wis. @0444, KYSM 103.5 Mankato, Minn. @0520, WLOL 99.5 Minneapolis new @0600, KWOA 95.1 Worthington, Minn. @0604, KWLM 102.5 Willmar, Minn. @0629, KTVN 107.9 Anoka, Minn. new @1044, KOZN 94.1 Omaha, Nebraska new @1102, KFAM 104.7 St. Cloud, Minn. @1159, WOW 92.3 Omaha, Neb. new @1208, KICD 107.7 Spencer, Iowa @1218, KDSN 107.1 Denison, Iowa new @1220, KEHG 107.1 Fosston, Minn. new @1256, WJMC 96.3 Rice Lake, Wis. new @2155, WIAL 94.1 Eau Claire, Wis. new @2200, WWJC 105.1 Superior, Wis. @2228 and KELO 92.5 Sioux Falls, SD @2357. 7/13 KDVR 97.9 new, KWAT 96.1 1103, 7/24 CFMQ 92.1 new @0913.

Bob McArthur 11305 Lee Highway Fairfax, Virginia 22030

DX has been enjoyable the past few months. Beginning where I left off last time, my tropes worth mentioning are: WMBI 90.1 Ill. @1000 and WKAR 90.5 in Mich. @1035, both on 6/22; WAMC 90.3 Albany, NY (XMTR in Mass.) 2100 6/26. On 6/28 between 0130-0830 logged WAKR 97.5 Akron, CHFI 98.1 Toronto, WAAF 107.3 Worcester, WICH 97.7 Norwich, Conn., WDRC 102.9 Hartford, WBUR 90.9 Boston and WKOX 105.7 Framingham, Mass. Best tropes this month occurred on 7/14-15. Logged WHKW 89.3 Chilton, WHAD 90.7 Delafield, WHLA 90.3 Holmen and WHHI 91.3 Highland, all Wisc between 7PM and midnight. Logged CJRT 91.1 2100 7/16 and QSL said I was furthest listener. A good skip occurred on 7/29 between 4:50 and 6:18P. I logged 15 stations in 9 different states, including three new ones Kentucky, Tennessee and Arkansas. Distances ranged from 390 (WEKU) to 1150 (KIXL). Logged were: KGRC 92.9 Mo @4:50, WIFN 95.9 Ind. @4:53, WILL 90.9 @5:00, WISU 89.7 Ind. @5:01, KWWR 95.7 Mexico, Mo. @5:05, KCMW 90.9 Mo. @5:20 (30kw now Bob. RWW), WJRS 103.1 Ky @5:34, WTJS 104.1 Tenn. @5:36, WTCV 104.5 Memphis @5:40, KEEL 93.7 Ia. @5:55, KRSI 95.9 Russell, Kansas @6:00, WPLN 90.3 Nashville @6:06, WEKU 88.9 Ky @6:07, KLCN 96.1 Ark. @6:10 and KIXL 104.5 Dallas @6:18. Of these I managed to record IDs from 13, I've sent to 9 for QSLs. Later, on 8/1 I logged my best skip so far Hamilton, Bermuda on 89.1 in stereo from 6:25 to 6:45P, a distance of about 900 miles. On 8/2 thunderstorms around 9PM put off AN locals WJMD 94.7, WMOD 98.7 and WEZR 106.7. As a result I logged 5 stations: WPTF 94.7 NC @9:15P, WMDL 98.7 NC @10:30, WRFK 106.5 Va @10:35, WBBJ Va 94.9 @10:10 on 8/3 and WDOV 94.7 Delaware @10:30A. MS has been hrd many times lately, but still no loggings. Fellow member Larry Vogt and I notify each other of good CX. In this way each of us has been able to log several stations we otherwise would have missed. The only problem with this is that we often wind up writing letters at the same time to the same stations for QSLs, and CEs, not known for being prolific, occasionally ignore both of us. As a last point of interest, I thought I'd mention that FM DX has finally paid off for me -- I won a record album from WMVB 97.3 NJ for being the furthest listener (a whole 135 miles). Too bad the prize wasn't money. -30-

Bob Astmann 191 Louvaine Drive Kenmore, New York 14223

Logging from 7/6 to 8/4. 7/6 WOSC 104.7 NY @0721 weak. 7/9 WJBR 99.5 Del. @0115 weak, 7/15 WBAY 101.1 Wis. weak @0046, WSPD 101.5 Ohio good @0100, WMBI 90.1 Ill. strong @1657, WHKW 89.3 Wis. strong @2211. 7/16 WONO 107.9 NY s/off @0052, WIVC (#100 logged) 106.9 Ill. exc. @0125, KGRC 92.9 Mo. exc @0247 and WOSU 89.7 Ohio momentarily o/WKSU @2105. 7/26 Es in KGCC 89.7 Denison, Texas w/RR, strong but hrd only for 3 min. but 2 IDs hrd @1841. 8/4 WZAK 93.1 Ohio w/progressive rock @0042, CKVL 96.9 Que. @0134 weak, WVBR 93.5 NY weak w/RR @0259 and CKIW 93.9 Ont. weak w/RR @0320. Five new states and one Province were logged during this past month. Del., Wis., Ill., Mo., Texas and Quebec. Reception of KGCC was really strange as it faded out after 3-4 min., after which I couldn't even find any Es on TV.

Dave Janowiak 3661 So. 46 Street Greenfield, Wisconsin

Some good tropes this month, but spent less time at FM than last month. Much needed house care must be done before winter! However, I did spend about 4 hrs. between those "golden hours" of 0000-0600, became a little familiar w/ANers and logged about 60 new stations, but only a few listings will be given, all tropes. 7/10 WDBQ 105.3 Iowa solid @2200, usually deep fading. WASK 105.3 Ind. exc. @2230. FM tropes generally poor @2230 when I went to bed, but UHF-TV rapidly improving. 7/11 WDBM 94.9 Ohio @0545, WGLM 96.1 Ind @0547, WHSB 107.7 Mich @6610 and WDAO 107.7 Ohio 0610, all exc. copy. 7/12 WVTs 100.7 Ind @0608, WWJ 97.1 Mich @0643, WBMP 101.7 Ind @0700. 7/13 WFBM 94.7 Ind @0728, WLRW 94.5 Ill. @0728, both solid when local 94.5 WTMJ came on air. thanks to the Lord!

Janowiak (Cont'd) 7/13 back from church from 0100-1200 (??) to find exc trop to east and SE, w/locals to 350 miles much improved. WJBL 94.5 Mich killed WTMJ 8 miles away! and 30 degrees off only with a attenuator pad! 7/15 WMT 96.5 Iowa @0704, 2000-2200 good trop to SE, Ohio especially w/WTOF 98.1, WAKR 97.5, WFIN 100.7, WONE 104.7 and WWT 104.5 and others. Trop improving, but patience wasn't, so went to bed. 7/20 Good trop to SW w/WMBD 93.3 Ill. WGIL 94.9, WJVC 99.7 and WBNQ 101.5 0700-0800. 7/26 Home from drive-in @0100 so tried the dials and logged some "tough" ANs in the area. WKIR 99.9 "Cougar 99" 0120, WTLC 105.7 Ind @0130, WSTR 99.3 Mich @0200, WAKR 97.5 Ohio @0200, WJOL 96.7 Ill @0230 and WMS 100.7 Ohio @0230. 7/27. WBNO 100.9 Ohio @0550; WTTV 92.3 Ind. @0600 and WSDJ?? mystery to SE. (WEBH perhaps?RWW). 8/2 2100 end of Croation Hour "This is W*LB received o/WGFR/WRVB to SE direction. Perhaps WGLB 102.7 splashing over or off freq? 8/3 WFIN 100.5 Ohio exc copy @0630, as was WOAP 103.9 Mich. 8/4 Had 10 min. to DX before leaving for work and logged these before local WBON 107.7 came on. WFON 107.1 Fond du Lac @0650, KWWL 107.9 Iowa @0655 and WCCN 107.5 Wis. @0659. 8/5 KEUR 107.3 Iowa @0700. Horizand vert yagis in use since 8/1 w/excellent results. What little DX time I have from now on will probably be on FM. Haven't looked at TV in 3 weeks. 95% of loggings last 2 months on tape. 73 Dave.

Glen Hauser 519 Adams St. Denver Colorado 80206

Again, I have caught only 2 Es openings into FM since the last report: on 7/10 and 24. Finally got KNEB 94.1 Neb.(160) down here after hearing them on Mt. Evans. This was 7/14 0600 CST w/OC, brief AM/FM s/on, "Information news from UPI (!). At 0604 KVMN 98.9 Colo. (100) hrd w/local nx before late KFML 98.5 s/on. Hrd KVMN again 7/27 0928, much stronger, w/ID overriding local SB QRM. After many months of program tests 2 hrs. a day, KFBC 97.9 finally began RS on 4/8, hrd @1830 // AM-1240, w/delayed Info nx. At 95 mi, it's a local....and a good bet for Wyoming for the rest of you. Now to the Es:

10 July 2053 CST	KFBK	92.5	Sacramento CA	885 mi.	ID, class.
2100	KPFA	94.1	Berkeley CA	935	Poetry, etc.
2103	KSAN	94.9	San Francisco CA	950	UG rock, 2113 ID sinr passing, mtn listener on mtn. wanting visitors.....
2115	KANG?	89.9	Angwin, Cal.?		classical
2118	KQED	88.5	San Francisco, Cal.	950	play w/mx
2124	KQVR	97.7	Lodi, Cal.	880	8:24 TC and local ad
2125	KEAR	97.3	San Francisco	950	"Unshackled"; KRNW QRM
2133	KABL	98.1	San Francisco	950	talk aby SF boat w/mx bg, "KABL Mx" MoR
24 July 1651	KJFF?	92.7	Jennings, La		ID "The sound habit in Lafayette" cw mx MoR
1653	KSMB	94.5	Lafayette, La	975	MoR
1718	KFMP?	93.3	Port Arthur, Tex.?		MoR
1718	KBPO?	94.1	Beaumont, Tex		MoR
1730	KIEB	94.3	Golden Meadow, La	1090	MoR mx, PSA, ID 1731
1800	KEZZ	97.3	San Antonio, Texas	795	ID "K-97 SA, Kazz"
1801	KITY	92.9	" " "	"	nx of cy, 1811 jingle mx
1829	KWFR?	94.7	San Angelo, Texas		

KCBL has verified and they were only 10 watts. USAF has decided to send me to Nakhon Ratchasima, Thailand, for a year this November, and I have high hopes for VHF DX there. It appears to be a "hot spot" for Es, F2, TE and trop! Some countries have lower FM bands, So. Korea 44-50, USSR 65-74, Japan 81-90. Other countries use our FM band, but in USSR, Aussie and Japan, TV uses 88-108 freq. Anyone w/VHF experience in VHF DX from SEA contact me? Until the next, 73.

Bob Cooper, Jr. 6221 Norman Rd. Oklahoma City, Oklahoma 73122

Hate to continue being negative, but DX just hasn't been very good this summer and July was a disappointment too. Here in Okla. we missed the excellent trop CX that hit further north, and our Es has been short of earth shaking. I guess we need the off years to average out w/the good, but I always hate to see it!

7/10 KNEV 95.5 Reno, Nev. poor @2231, 2252 KSAN 94.9 San Francisco fair w/3 others not IDed, none solid and in for 30-45 seconds at a time only. Es closed @2256.

7/12 KOWH 94.5 Omaha @0915 on trop, 0945 KSVN 100.1 Aurora, Mo. good. Virtually all directions out to 350-400 miles good until 1030, then faded fast. 7/13 KLBK 94.5 Lubbock, Tex @0645 via trop, KTTS 94.7 Springfield, Mo. @0646, KDJW 94.1 Amarillo, Tex. good @0647 w/jingle "Swinging sound of modern country". KTCD 107.7 Spencer, Iowa @1050 all by itself! WGMZ 107.9 Flint, Mich. @1427 on MS "Sound of good life in Flint" on surprise burst where I was watching for Iowa.

7/25 First decent FM Es opening here this year! 0925 KOGO San Diego \$exc 93.5. 0929 KOOL 94.5 Phoenix exc. w/cw mx, 0932 KRFM 95.5 Phoenix VG, 0933 KBAY 100.3 San Jose, Cal. fair, 0936 KHEP 101.5 Phoenix exc., 0938 KBUZ 104.7 Mesa, Arizona exc., 0941 KNBR 99.9 SF fair, 0946 KIOI 101.3 SF good, 0947 KTAR 98.7 Phoenix VG, 0950 KDHI 95.7 Twentynine Palms, Cal. VG, 0954 KAFF 92.9 Flagstaff, Ariz VG, 1001 KJUC 98.7 Las Vegas EXC, 1006 KSRN 104.5 Reno VG, 1015 KVVM 93.5 Show Low, Ariz., 1022 KUPD 97.9 Tempe, Ariz., 1023 KBMF 98.3 Spearman, Tex via trop., 1038 KVLV 99.3 Fallon, Nev. VG, 1043 KHJ 101.1 LA fair, 1046 KORK 97.1 LV good, 1055 KVEG LV excellent w/cw mx on 92.3. 7/26 1545 Es in for 2 min. on 93.7 from NE, no ID. 1554 93.7 w/many MS bursts, BB game in progress (WJFM perhaps) 1742 91.3 UG rock on Es, no ID, 1745 WSEN 92.1 Baldwinsville, NY for 3min. on Es. 1747 Powerful station playing heavy soul mx on 93.7. Jingle was "FM SUPER SOUL". (WBLK? RWW). 1759 surprise, CMB24 Habana, Cuba in/out until 1804 on 90.5 or so, actually looked like 90.6 w/ID @1803. 7/27 2100 sudden Es noted to W, KSBY 93.3 San Luis Obispo, Cal. noted first, 2101 KFRE 93.7 Fresno, 2102 Bob Seybold and Richard Tidburg called. Ever try to DX on TV, FM and simultaneously talk with an old friend you haven't talked to in 10 years! 2110 KFIG 94.5 Fresno, 2115 KOSO 93.1 Patterson, Cal. This one was a kick, as I built KOSO and also picked out the call letters (it is located on Mt. Oso west of Modesto) in 1966, and served as VP of the station for about a year. Good to hear they are still in business! 2120 KSAN 94.9 SF again. 2128 FM folded up, I think. I finally gave up the earphones to concentrate on Bob Seybold. (nice phone bill there I bet. Hi RWW)

7/29 1957 CMB24 90.6 Havana in w/good level and drama pgm., 2007-2009 WHMS 92.1 Hialeah, Fla. in/out w/poor sig., 2038 CMB24 90.6 again w/good sig., 2040 Mexico FM on 88.6, 90.7. 90.7 carried spot for Variz Airlines, 88.6 IDed as XHM, loc. unk. 7/30 WJFM 93.7 Grand Rapids, Mich. on Ms @0630. 0635 WFBC 93.7 Greenville, SC also on MS. CX during the Aquariads Meteor Shower was not at all encouraging. Bursts were short and not of good strength. The shower seemed to peak on the AM of the 30th, although activity was high also late in the PM of the 29th. 8/1 Predictable KWWL 107.9 Waterloo @0710 w/fair sig., 0725 KRSI 95.9 Russell, Kans exc. 0752 KFJB 100.1 Marshalltown, Iowa poor level. 8/2 1600 KUDU 95.1 Ventura, Cal. poor, also KIRO 94.9 San Diego fair, 1603 Band closed for Es. 2020 band opened for mysterious XHM 88.6. Boy do they have lousy engineering. Their signal full quieting. barely, but their audio deviating several hundred kc (all over lower 1 MHz). Drove my tape recorder clear against pin. 8/4 0104 lke test note noted on Ms, along w/Dolly Holliday 93.7. WJFM has Dolly Holiday. 1803 WRNJ 95.1 Atlantic City, NJ caught on ID. Es opened when I good home 1800, out by 1805. 8/7 Es on 88.3 to N/NE from Canada or border states. Telephone talk show, in/out to 2310 no ID. 8/8 Semi-rare KWPM West Plains, Mo. w/Cardinal BB after KSPI s/off on 93.9 Full speed ahead into the full trop season!

Ed note: May I again make a plea with all contributors to try and condense the reports a little. I have no qualms about 40 lines, but much more is just too much space devoted to one DXers. No offense meant, just acry for help!

Carlton Howington 13880 Greenland Ave. Uniontown, Ohio 44685

7/13 tropes weak started here WHIA 90.3 at 9PM, WCAL 89.3 @9PM at 635 miles w/over WHKW, around 9:15 WCAL was hrd. in stereo, also hrd were WHRM, WHHI, WHAD and WFN 92.1, all around 9:15P. 7/14 WNIU 89.5 DeKalb, Illinois @12:15A, WBIZ 100.7 Eau Claire, Wis. @0105, KRCH 98.1 weak @0140, KGRC 92.9 @0205 until 0247 s/off. 7/15 KGMW 90.9 in like a local in stereo @0030 665 mi. WCAL and KCUR on 89.3 until 0100, KSIS 92.1 0100 s/off, WPLN 90.3 @0105 weak, WMBD 93.3 local-like all AM, KCKN 94.1 o/WSAI @0135 720 miles. KSJR/KSJN in until 0302 s/off, KSJR 740 mi., KSJN 655 mi., KASI 107.1 @0235-0300 s/off 635 mi., KQRS 92.5 @0250, WWIA 93.3 LaCrosse, Wis. @0300 s/off, KMBR 99.7 @0332 720 mi., and KCKN in like a local @0330. In the PM I hrd KGRC 92.9 @5:30P right next to local WZAK 93.1 and WAWA 102.1 o/WBOK@5:40P, WLFM 91.1 @7:30* 430 mi., WRVB 102.5 @8:15P, WRVM 102.7 @0830, WRIG 101.9 o/WDET @9:00P. 7/16 all the Chicago stations were in like locals (You can have them Carlton) WEFM o/WGAR, WNIU local like and best catch of all was WGTL 91.7 @0030 to 0100 s/off.(WGLT?? RWW) Verie said 19.3 watts at 390 miles. KROS 96.1 0100 s/off, first stations to east, noted WIBG, WEST 96.1, WKCR 89.3 around 0115, WFBH 93.9 @0130, WXFM 105.9 @0204, WCWC 95.9 o/CFPL @0230 at 425 mi., WBAY 101.1 0300 s/off, WEXI 92.7 \$\$ @0200, WFMT 98.7 @0130. That was the end of the greatest FM tropes week of the year. 7/25 the new WABU 88.9 in University Heights hrd in PM (Local here but weak at 40 miles). 7/26 WGBH 89.7 from 11:20-11:35P s/off on Aurora, no other station noted. 7/29 Es noted WGWR 92.3 in Asheboro, N.C. @4:20P at 370 miles, WEQR 96.9 @4:45 at 425 mi. and KNUW 89.1 @5:52P, and KGAF 94.5 @6:15P. 8/3 noted new CJOY-FM 106.1 in Guelph, Ont in stereo @9PM o/local WVNO. 8/4 CHYM 96.7 in good all AM and CKWS 96.3 weak @0113. 8/10 WWTW 92.9 in from 0015-0100 s/off w/local WZAK off. My FM verie total now up to 368 in 29 states, DC and Canada. I believe I am going to count all my taped loggings as veries (not just letters) and this should put my total around 550 FM stations heard, most of them are on tape anyway. (Each to his own)

RWWd

Roger W. Winsor 718 N. Fremont Road Valparaiso, Indiana 46383

Well, so ends another column for the month. I have had several comments as to how this thing should be set out, ie column or paragraph form. Being a member of the NRC for 6 years, I am much used to, and favor, the paragraph form. As some of you may have noticed, it was put into just such a form, even though sent in on report forms. Last DX occurred on 7/23 when WKVI-99.3 Knox, Ind was hrd. @9AM on 2nd day of broadcast, now a regular w/stereo. Also logged that day were WOUB 91.3 @0945 w/ID out of nowhere, WERM 92.1 Wapoketna, Ohio @1000 w/ID and much WYCA slop, bless their hearts. WILT 103.1 finally from Hunginton, Ind. @10:15 w/local spot., WCWA 104.7 Toledo @1021 w/jingle 104.7 stereo in Toledo and WONE 104.7 Dayton @10:28 w/ID and RR mx. Totals now up to 264. There has been absolutely nothing all this month, even though the wx has been nice. Today, 8/19 a cold front finally pushed through and tropes to Wis/Mich. are good, but I have run out of stations from those areas. Oh for 7/14-15 to come back again. As a point of interest, I was home on 7/29 where the big Es occurred on the EC, but nothing was noted here at all on TV, and I had by then forgotten about Es on FM. Some of you fellows really tear me up with your loggings, but it seems that almost everything is logged on a Chicago local, or else a local NW Indiana class A, such as 96.7, 95.9, 94.3 or others. Ah, such is luck. I hope to have met some of you at the NRC convention in St. Louis, and will try to make the convention next year for this club, wherever it is. 73, and sorry about the 6 lines left blank, but have absolutely run out of gab. RWW Oh yes, WFIU 103.7 Bloomington, Ind. just logged @9PM 7/19 w/ID. Something that is curious to me, on 97.9, I have a strong local WSDM, but yet tonight, when I rotated my antenna to Grand Rapids, I picked up WXTO, also on 97.9, and by just turning the dial a little more, there was WSDM. Do FM stations have offsets? One more late change: WEMP 99.1 is now WMMW w/chicken rock. Got WEKU, WGMZ, WTIM too.

DX MAILBAG

address correspondence to:
P.O. Box 5001
Milwaukee, Wis.
USA -- 53204

Welcome to another edition of the mailbag. Once again there are a few new additions to the clan.

New Members In August

David Flower, 419 Wabash St., Milan, Mich., 48160
Trevor Brook, Saxonholme -- Oreston Lane, Effingham,
Leatherhead, Surrey, England

Kipp C. Taylor, 23 Waterside Lane, W.Hartford, Conn. 06107
Wm. R. Ratliff Jr., North 3rd St., New Freedom, Pa., 17349

Renewals Include

Robert Williams, Blackfoot, Id.

And now to catch up on the "doings of the dial twisters":

Dennis Smith says he's been spending the summer studying rather than DXing. Dennis is quite busy with his Masters degree work at college, thus the lack of activity on the bands. He notes however, some big plans for the future including a revised TV-FM DX Bibliography and a DX history series for VHF-UHF Digest!!!!

Don Eggert mentions he's had to bypass much of his planned DX activity during the past summer due to school (hi Dennis) and adds "I'll have to say that the digest has made great strides in terms of quality in the past year. Only wish I could contribute more - but I do enjoy reading it." (Well, Don, if you enjoy reading it, we enjoy printing it! - you just made all the WFFDA publishers feel 100% better.)

In reply to one of our recent mailings Sidney Emmons, 119 Sherman St., Gallion, Ohio, lets us know he is quite active in all VHF radio bands but has not been too much involved with TV lately (since the days of DXing Horizons). Sid's amateur call is K8ZES; we'd expect he'd like to hear from any of you VHF radio fiends.

By golly it's happened! Frank Wheeler out in Erie, Pa., can hope for a little better DX now. Frank bought a used TV (1965 23" Zenith) and notes it is better on UHF than anything else he's used. He's now in the market for a UHF antenna. (Try Morrie Goldman, Frank -- lately he's come up with a lot of bargain goodies at hamfests!!!)

Another among the many professional broadcasters in the club is Roger Brown of East Lansing, Mich. Rog has had one finger on the TV dial since back in 1952. He was one of the staunch supporters of the old TV reporting columns in DXing Horizons. Roger is the Cooperative Extension, Experiment Station TV-Radio Editor (whew!) for Michigan State University --- they produce radio-TV material for Michigan (and some midwest) stations.

When last seen by other TV DXers Dave Swanson was well over 6'6" and still growing. Undoubtedly the tallest of our members he still writes the shortest of notes to the mailbag. Although he stands head and shoulders above the rest of us he reports his log is suffering from stunted growth. His total for Romulus, N.Y., is at 34 stations. Recalling fonder times in Chicago where his log was 154 (on TV) he says "Greetings to all of you I knew as a resident of Chicago. I am now a civilian employee of the army (ours) at Seneca Army Depot. My job is inspecting ammunition -- every kind in the army arsenal. I'll be moving every two years to any installations around the world." (How about a DX report or two Dave!)

Another New Yorker, Jerry Pulice, deserves a word of congratulations. Jerry graduated high school recently (despite the demands DX placed on his time - hi). His reward -- a new Zenith 23" black and white TV (compliments of his dad) as well as his diploma. Congrats from WFFDA Jerry!

On that happy note we'll zip up the mail pouch for another 30 days. Keep us posted gang!

Carlton Howington 13880 Greenland Ave. Uniontown, Ohio 44685

7/13 tropes weak started here WHIA 90.3 at 9PM, WCAL 89.3 @9PM at 635 miles w/over WHKW, around 9:15 WCAL was hrd. in stereo, also hrd were WHRM, WHHI, WHAD and WFNH 92.1, all around 9:15P. 7/14 WNIU 89.5 DeKalb, Illinois @12:15A, WBIZ 100.7 Eau Claire, Wis. @0105, KRCH 98.1 weak @0140, KGRC 92.9 @0205 until 0247 s/off. 7/15 KCMW 90.9 in like a local in stereo @0030 665 mi. WCAL and KCUR on 89.3 until 0100, KSIS 92.1 0100 s/off, WPLN 90.3 @0105 weak, WMBD 93.3 local-like all AM, KCKN 94.1 o/WSAI @0135 720 miles. KSJR/KSJN in until 0302 s/off, KSJR 740 mi., KSJN 655 mi., KASI 107.1 @0235-0300 s/off 635 mi., KQRS 92.5 @0250, WWLA 93.3 LaCrosse, Wis. @0300 s/off, KMBR 99.7 @0332 720 mi., and KCKN in like a local @0330. In the PM I hrd KGRC 92.9 @5:30P right next to local WZAK 93.1 and WAWA 102.1 o/WBOK@5:40P, WLFM 91.1 @7:30* 430 mi., WRVB 102.5 @8:15P, WRVM 102.7 @0830, WRIG 101.9 o/WDET @9:00P. 7/16 all the Chicago stations were in like locals (You can have them Carlton) WEFM o/WGAR, WNIU local like and best catch of all was WGTL 91.7 @0030 to 0100 s/off.(WGLT?? RWW) Verie said 19.3 watts at 390 miles. KROS 96.1 0100 s/off, first stations to east, noted WIBG, WEST 96.1, WKCR 89.3 around 0115, WBBH 93.9 @0130, WXFM 105.9 @0204, WCWC 95.9 o/CFPL @0230 at 425 mi., WBAY 101.1 0300 s/off, WEXI 92.7 \$\$\$ @0200, WFMT 98.7 @0130. That was the end of the greatest FM tropes week of the year. 7/25 the new WABU 88.9 in University Heights hrd in PM (Local here but weak at 40 miles). 7/26 WBBH 89.7 from 11:20-11:35P s/off on Aurora, no other station noted. 7/29 Es noted WGWR 92.3 in Asheboro, N.C. @4:20P at 370 miles; WEQR 96.9 @4:45 at 425 mi. and KMWU 89.1 @5:52P, and KGAF 94.5 @6:15P. 8/3 noted new CJOY-FM 106.1 in Guelph, Ont in stereo @9PM o/local WVNO. 8/4 CHYM 96.7 in good all AM and CKWS 96.3 weak @0113. 8/10 WWTW 92.9 in from 0015-0100 s/off w/local WZAK off. My FM verie total now up to 368 in 29 states, DC and Canada. I believe I am going to count all my taped loggings as veries (not just letters) and this should put my total around 550 FM stations heard, most of them are on tape anyway. (Each to his own)

RWWd

Roger W. Winsor 718 N. Fremont Road Valparaiso, Indiana 46383

Well, so ends another column for the month. I have had several comments as to how this thing should be set out, ie column or paragraph form. Being a member of the NRC for 6 years, I am much used to, and favor, the paragraph form. As some of you may have noticed, it was put into just such a form, even though sent in on report forms. Last DX occurred on 7/23 when WKVI-99.3 Knox, Ind was hrd. @9AM on 2nd day of broadcast, now a regular w/stereo. Also logged that day were WOUB 91.3 @0945 w/ID out of nowhere, WERM 92.1 Wapoketna, Ohio @1000 w/ID and much WYCA slop, bless their hearts. WHLT 103.1 finally from Hunginton, Ind. @10:15 w/local spot., WCWA 104.7 Toledo @1021 w/jingle 104.7 stereo in Toledo and WONE 104.7 Dayton @10:28 w/ID and RR mx. Totals now up to 264. There has been absolutely nothing all this month, even though the wx has been nice. Today, 8/19 a cold front finally pushed through and tropes to Wis/Mich. are good, but I have run out of stations from those areas. Oh for 7/14-15 to come back again. As a point of interest, I was home on 7/29 where the big Es occurred on the EC, but nothing was noted here at all on TV, and I had by then forgotten about Es on FM. Some of you fellows really tear me up with your loggings, but it seems that almost everything is logged on a Chicago local, or else a local NW Indiana class A, such as 96.7, 95.9, 94.3 or others. Ah, such is luck. I hope to have met some of you at the NRC convention in St. Louis, and will try to make the convention next year for this club, wherever it is. 73, and sorry about the 6 lines left blank, but have absolutely run out of gab. RWW Oh yes, WFIU 103.7 Bloomington, Ind. just logged @9PM 7/19 w/ID. Something that is curious to me, on 97.9, I have a strong local WSDM, but yet tonight, when I rotated my antenna to Grand Rapids, I picked up WXTO, also on 97.9, and by just turning the dial a little more, there was WSDM. Do FM stations have offsets? One more late change: WEMP 99.1 is now WMMW w/chicken rock. Got WEKU, WGMZ, WTIM too.

WESTERN TV DX

SEPTEMBER 1969

Dennis Park Smith
321 Santa Barbara St.
Santa Barbara, California
93101 U.S.A.

This has been a frustrating DX season in many areas. Through July tropes has been great on occasion in upper midwest-east but not so much further south. Es was good on occasion in early July but the remainder of the month featured weak, spotty unID sessions. At least a little Es took place on July dates 1,2,3,4,5,6,7,8,9,10,11,12,13,15,16,19,20,22,24,25,26,27,28,29,31, and so far in August on 2,3,4,7,8.

Robert J. Williams, P.O. Box 151, Blackfoot, Idaho 83221 (Times MDT)

This is my first report in the Western TV DX Section of VUD. I live on the top (3rd) floor of the Milnor Hotel here in downtown Blackfoot. I DX with an old Zenith 21" console black & white set with rabbit ears. I used a booster until it conked out on me; it seems to be a trap too, since I could tune out the slop-over of KID-3 on ch. 2. I have received (all 1969): WMT-2 Cedar Rapids 2:00 PM 5-25; KMID-2 Midland TX 5-25; WBAY-2 Green Bay WI 9:30 AM 6-15; XEW-2 or XEWO-2 (XEWO is relay of XEW) 7:28 PM 6-21; KNXT-2 Los Angeles 8:04 PM 6-21 and 7:28 PM 6-29; KMID-2 again around 2 PM 7-4; KQTV-2 St. Joseph MO 8:50 PM 7-5 & on 7-9 with foto. I also photographed WMT-2, XEW-2 (or XEWO—the call slide had "XEW-TV"), KNXT-2, WBBM-2 Chicago, KMID-2, KVOO-2 Tulsa. I'm waiting to see how KQTV and a second KMID-2 foto turn out. 73's.

(Thanks for your first report, Robert. You have done reasonably well in your hotel environment. Maybe someday you can have an outdoor antenna which will help your skip and especially ground wave. dps)

Fred McCormack, Dew Lacs, North Dakota 58733 (Times CDT)

Equipment: Heath GR-25 color TV and Finco 5-el. ch.2 yagi 30' up.

The number of days with E skip in July was even lower than in June; I did however log 2 new stations. A couple mornings of good meteor skip added 3, and 5 new ones were seen on trop. On morning of August 5th, I saw the best trop in 5 years. Strangely, there were not signals seen on all channels; ch. 11 & 12 were clear during KHQL-8 reception. KHQL was very strong to cover KUMV-8 & WDAZ-8 and it would seem that other stations should have been seen also. I received a letter from the CE at CKPG-TV 2 Prince George BC confirming programs seen during reception on July 3. He said their video power is 778 watts, so this is my lowest power skip reception. Here is what I have logged since my last report. 7-7 Es 2230 CBUT-2 Vancouver BC good. 7-9 Es 2359 KOTI-2 Klamath Falls OR good 2 hrs. 7-10 Es 2000 KTVK-3 Phoenix AZ good, 2007 KVOA-4 Tucson AZ new fair w/color. 7-11 Es 2330 KPRC-2 Houston TX good w/color; trop 0700 KNMT-12 Walker MN fair-hvyQRM-new, 0728 WDAZ-8 DevilsLake excellent w/color, 2250 CKOS-7 Carlyle Sask exc w/color. 7-12 trop 0005 CKX-1 11 new some color, 0102 KTHI-11 Fargo-Grand Forks exc, color. 7-16 MS 0450 WLWD-2 Dayton OH good w/TP; trop 0501 KDLO-3 Florence SD poor-Apollo. 7-19 trop 0929 KXAB-9 Aberdeen SD good; Es 1100 KDKA-2 Pittsburgh PA gd w/color, 1200 CBUT-2 Vancouver BC fair-TP. 7-26 MS 0651 KTVO-3 Kirksville MO good-TP-new, 0720 KTVS-3 Sterling CO fair-IDslide-new. 7-27 Es 1545 KMID-2 Midland TX good. 7-28 MS 0625 WISC-3 Madison WI fair-IDslide-new. trop 0654 KDLO-3 Florence SD fair; Es 1700 WSJK-2 Sneedvle. TN fair, 1900 WDCN-2 Nashville TN fair, 2000 WMT-2 Cedar Rapids IA no vid, fair aud, 2006 WTWO-2 Terre Haute IN new-vid. poor, aud. good. 7-29 Es 1900 WDCN-2 Nashville fair, 2100 KETS-2 Conway AR. 7-30 MS 0534 WLWD-2 Dayton OH exc w/TP, 0544 WJBK-2 Detroit MI good. 0632 KCKT-2 Great Bend KS good-ID slide. 7-31 MS 0617 WMT-2 Cedar Rapids IA good-ID sl., 0635 KTVO-3 Kirksville MO fair-TP. 8-2 trop 0956 KXMB-12 Bismarck ND fair. 8-3 trop 0800 KXAB-9 Aberdeen SD fair; Es 2100 KHBV-5 Henderson NV good w/color. 8-4 trop 0605 CBWT-1 10 Fisher Branch Man CBC-Winnipeg TP, good-new. 8-5

8-5 trop 1155 KHQL-8 Albion NB very good-ABC-new, 1200 KPL0-6 Reliance SD fair-good new. Total now 121.

(Thanks for your log of interesting catches. Fred, and congratulations on your low-power CKPG-2 reception. dps)

Glenn Hauser, Box C 8638, Lowry AFB, Colorado 80230 (Times CST)

It appears that my last two reports were partially erased for containing too much detail. I had thought that a purpose of reporting is to exchange information and help others to log stations rather than for bland data tabulations. Summer bulletins are big but it's the season. Please write to HQ if you feel that comments and program data should be included. If in truth nobody cares about local advertisers or feels a need for logging tips, I may as well succumb. (See comments p. 4. dps)

Following is info left out of my August report. These stations were new at Denver, with distances: CFRN-3 (1025), CJIC-2 (1130), KDAL-3 (805), KOAA-5 (90), WAVE-3 (1015), KIEM-3 and KVIQ-6 (1000), KOIN-6 (980), KOBI-5 (950), WLBT-3 (960), WKYC-3 (1205), XHBC-3 (760), KSTF-10 (170).

My tropes record here has nearly doubled!--still lousy by Great Lakes and Gulf standards. (Distances given for new Denver loggings.) KHOL-13 Kearney NB (325 mi) came in on 14/7 at 0829 w/pgm on Omaha Grain Exchange, no ID but stn QSLed. Other meagre tropes include KHPL-6 Hayes Center NB (210) at 0759 w/NTN ID (on FM) and KNOP-2 North Platte NB (240) at 0829, NBC; VCI essential.

July too was lousy for Es, with only 2 openings since last report. 13/7 brought WSB-2 Atlanta GA (1195) at 0757 w/Braves ticket offer, 0758 ID, 0858 ID. KDKA-2 Pittsburgh PA (1305) had PSA, ID at 0759. KTVI-2 St Louis MO (780) came in at 0844 w/St L. PSA; also ch 6 unID. WRCB-3 Chattanooga TN (1115) at 0922, Smith-Owens Rambler ad in cartoons (VCI). 20/7 I snapped live pix from moon (via KOA-4) as most of you probably did. DX hard to beat, no? 24/7 occurred the other Es: at 1655 KATC-2 Lafayette LA w/ad mentioning town of Kaplan, 1713 Nx by Lafayette Bldg. Assn (LBA); KIII-3 Corpus Christi TX (925) at 1759 w/local ad (VCI); KRGV-5 Weslaco TX (1025) at 1829 w/Brownsville ad (HQ91 and VCI engaged).

Thailand is my next stop, thanks to USAF. Some preliminary research indicates it's a hot spot for VHF DX by Es, F2, TE, tropes! Aurora's far-fetched, but MS should be better at that lower latitude (15°). Hoping my job at AFTN (AFRTS) will allow time to DX, I've researched all known sources of station lists already. Within 3000 miles lie all of China, Japan, Korea, large parts of the Soviet Union and half of Iran. Australia and New Zealand are TE targets. Within easy single-hop Es range are Manila and Canton. Highpowered Malaysian highbanders should be possible via tropes, which has greater potential there than Oklahoma City, hi. Would anyone having experience or definite information on VHF DX in SEA please contact me! More on all this next time.

(Thanks for report of "lousy" DX, Glenn. We will be following your Thailand DXing with great interest. dps)

Bob Cooper, Jr., 6221 Norman Road, Oklahoma City, Oklahoma 73122 (CDT)

The past month report period (Jul8-Aug8) was flashy in spots, but no sustained DX was evident here in Oklahoma. We missed the tropo opening that hit in mid July, further to the north, by virtue of being south of the cold front that was producing the tropo along east-west paths, north of the front. Es was no worse than June, which doesn't say much.

I did get up two new antennas during the month. One is a stacked set of 11-element ch. 7 yagis, up 50 ft. I built these antennas for the Perseids meteor shower, coax matching them to a piece of .412 T line, through some traps to filter out local ch. 9, then into a 20-db CATV type super pre-amp built for ch. 7. The antenna system works so well that now I have from 5 (minimum) to 7 (average) stations on ch. 7 at all times, and KETV Omaha at 409 mi. is in more days than it is not. I also got up a 6

element ch. 2 monster on a 20-ft-long boom using progressive spacing, at 40 ft. This too is mainly for the Perseids, to be able to correlate ch. 2 and 7 MS. Since I am out of tower space for the time being, the broadband ch. 2-6 & 7-13 yagis had to come down, which means I am more or less stuck with 2-3 & 7-8 (plus of course UHF) until after the Perseids is over.

July- 9 2140 weak Es ch 2, not strong enough even to get direction! 10 0657 KFSA-5 Ft Smith AR good before local KOCO s/on, 1232 Es west, no ID, ch 2, 1935 KREM-2 Spokane, 1959 KLEW-3 Lewiston ID, 2015 KBOI-2 Boise, 2130 KTVN-2 Reno, 2229 KCRA-3 Sacramento, 2230 KTVU-2 San Francisco, 2256 band folded. 11 2112 weak Es N or NW, ch 2, 2200 CKPR-2 Port Arthur, 2224 KHNE-29 Hastings NB fair tropo (350 mi). 12 0915-1100 UHF to N-NE out to 250 mi excellent but no DX, 1731 Es XEW-2 Mexico City, 1815 WSAV-3 Savannah, 1827 WUSN-2 Charleston. 13 1105 XEW-2, 1145 ??-3 parallel to XEW, 1150 WUSN-2, 1152 WWAY-3 Wilmington NC, 1252 NBC 2 W, unID, 1315 WSB-2 Atlanta, 1345 band folded. 15 Es 0943 ?? movie-2 west, 1220 ?? weak east ch 2. 16 Es 1920, ch 2 E CBS. 18 0800 strange mid-screen multipath ghost on 27 Topeka (247 mi) fair sig, 2330 repeat of ghosting, peaking slightly east of direct path. 19 first test of twin 11-el. ch. 7 antennas; those seen before by tropo bending (KAYS, KLTW, KVII) now regulars. 20 Es 1305 ch 2 NW, CBS Apollo unID. 21 1813 1st noted KETV-7 Omaha (409 mi) squeezed between KOAM Joplin & KAYS Hays on rotor heading. Thoughtband was open on tropo for several hours but when nothing else showed and KETV stayed there, decided it was just ground wave of summer variety and big antenna. 22 0044 while watch KETV late movie had 1st signs of random meteor bursts on ch 7, one lasting 30 seconds!, 2145 Es XECH-2 Chihuahua in at tune-in, out 2221. 24 1900 KTVK-3 Phoenix at tune-in, 1930 XHBC-3 Mexicali, 2040 KNXT-2 Los Angeles (1st time this year seen; boy what a lousy year!), 2230 weak Es still in on 2 & 3. 25 0025-0055 weak Es still in & out on 2-3 w/CBS movie-2, ABC space re- port-3, NBC-3, etc. I quit at 0057. 0810 KBOI-2 Boise strong, 0842 color bar tester on 3 unID W, 0905 KORK-3 Las Vegas w/Today Show, 0922 KTVK-3 again, 1025 KORK-3 back, still Today!, 1115 band folded W, 1216 oops--open again to W-NW ch2-3, 1230 KBOI-2 again. 26 1510 just put up 6-el. ch-2 yagi & there was ch-2 Es NE, 1530 CBS space NE unID-2, 1546 NBC baseball NE 2, 1642 CBS Golf NE 2, 1700 CBS stn went to 'Saturday's Top Movie'-2, CBS stn to local nx unID-3, 1704-1725 color-bar tester (at this time of day!) in & out, 1725 TP, couldn't read call in QRM (maybe earlier color-bar stn), 1729 WSAZ-3 Huntington WV after Cinc. Reds BB, 1827 ch 2 SE Huntley-Brinkley Nx, no ID!...Band closed at 1832. A few more openings like that and I'll swear off Es. 27 0121-0128 three good MS bursts on ch 7 beating w/KETV, all 10 kc. 2010 weak Es W, 2025 KNXT 2 L.A. (in 'til 2055), 2058 KORK-3 NV, 2130 KTVU-2 CA, 2200 KTVN-2 NV. 29 Es at tune-in E-SE, ABC-2, 1855 WDIQ-2 Anniston AL w/ETV pgm, 1903 Wm. Buckley pgm unID-3, Es ch 2-3 in&out strong at times 'til 2045, 2045 XEW 2 Mex. City, 2055 CKCK-2 Regina, 2100 CKPR-2 Pt Arthur, 2102 KDIX-2 Dickinson ND, 2159 XEW-2 again, 2207 KBOI-2 in exc. until after 2300. 30 18 bursts ch 7: 0558 man w/nx NE, 0605 cartoons (Flintstones?), 0606 man at desk, local type show. July 30 seemed to be peak for Aquarids meteor shower. There were nearly 30 MS bursts or pings on morning of 30th, while only 4 were noted on the same period for 31st on ch 7. 31 2208 semi-local KLTW-7 Tyler up to Grade B indicating tropo SE up, 2210 KAEC 19 Nacogdoches (say that one fast!) Texas (315mi) (they ID as Lufkin) surprised me as I didn't know they were on air. Fair vid, good aud, local news and very little advertising nor mention of net affil., 2240 KHTV-39 Houston (420) poor, mixed w/KDTV-39 Dallas--no sign of ch 16 Galveston, 2245 KKBC-34 Lubbock joining regular KSEL-28 (285). August- 1 0655 KUHI-16 Joplin Grade A plus, but no other UHF activity, 0705 KETV-7 Om. regular VG level, all sigs N-NE up out to apx 400 mi. 2 Es 1415 KTVU-2 'til 1545, 1558 KEYT-3 Santa Barbara fair, 1602 KNXT-2 good 'til past 1640 (finally saw Ralph Williams!), 1616 Mexico Es at tune-in, ch2-3, 1st time

this year heavy QRM of Mex. co-channel, 2000 XEW-2 ID, 2005 XHFM-2 Vera Cruz ID, 2030 XEW still dominant. Es faded 2105; no IDs on 3 but suspect XHY Merida, Yucatan. 3 Es 1057-1100 KOOK-2 Billings MT fair, 1200 light NW-out 1215, 2130 weak east ch 2, 2205 heavy QRM ch 2 NW, in & out until 0000. 4 Es It Takes Thief & Joe Pyne mixed NW, 0023 KBOI-2 ID from mess-heavy fading-QRM, 0046 Es still in but weak & little sync, 0049 KWGN-2 Denver on two back-to-back MS bursts-end of day local nx, 1755 WMAR-2 Baltimore on tune-in poor, 1805 fade; 1900 in again, no ID-suspect WMAR out 1910. 6 2300 tropo UHF to S-SW w/KKBC-34 Lubbock & others up to Gr. B. quality but no DX. 7 Es 2050 W at tune-in in & out to past 2200, 2216 CKPR-2 good, 2302 north ch 3 Perry Mason, 2330 still CKPR weaker. 8 Es 0010 weak N-NE after KVOO-KCKT-s/off, 3 stns-one prob CKPR still, 1950 weak ch 2 east. And that was the month that was! 73.

(Well, if the usual DX modes haven't done much in Oklahoma, Bob, you have at least showed us the possibilities of high-band MS! dps)

I should have commented on one suggestion last month but ran out of space, in regard to times used in this column. The idea put forth was to standardise times used here, making everything all EST, PST or whatever. With that in mind, I did start last month to indicate the time used in each report to make that more clear. I would like to know if most of you consider this clear enough, or do you feel that we should either dispense with daylight saving times or go to one standard?

Re the problem of what is or isn't to appear in this column: perhaps your editor has not kept up with the rapid growth of our club with its number of specialized columns. I know of course that even some info this month should properly be in the CCI column. There are other things though, such as general DX conditions including Es seen at times with no IDs, and comments about openings by the reporters. Our thought has been that this is of interest to the reader. Other areas, too, are those of program details and what has been called "non-DX" material. It has been felt by the reporters involved that such info was useful by other DXers to help with unID loggings, but perhaps it isn't important to enough of you to do this? I looked through the last few months' WDX columns and I am not quite sure what may be considered "non-DX" information (I wasn't at the convention). Again, my idea was that it was all related and of interest but perhaps I am not keeping up with the times or just don't know what is desired.

There are two sides to the question, of course. The VUD's size has grown and there are only two people regularly involved in putting out the VUD so this is a main consideration. It is to their benefit if info such as program details and "non-DX," if not of interest or usefulness, is not included; in July, Ferdie pointed out the problems of issuing the bulletin. Maybe general knowledge of this will be of benefit to all involved, but along with that, if this column is too large, please let us and/or HQ know whether the info now appearing is of use to you or not. And, is the listing of DX as in last month's column preferable or do you feel that continuous paragraphs such as this time (which tends to conserve space but may or may not be as easy to read) is good enough?

Best of DX to all

Dennis

EASTERN TV DX

Morrie Goldman WA9RAQ
8046 South Euclid Ave.
Chicago, Ill. 60617

..For all television reporters east of the Mississippi River..SEPTEMBER
October Deadline: 9-11

I suppose I should begin this month's column with an explanation of just what went wrong with last month's column! Briefly, I was very short of time last month and didn't get a chance to get past page 5 at home. So, I expected to finish up the column at Hq when I went up to assist with publishing; a big mistake. I got to page 6 and time ran out so I left the column to be finished by Ferdie. To no fault of his, he was not acquainted with the new format--- end result, the new format went to pot!

One further comment, the report on page 7 which was apparently connected to Tom Henry's report was, in fact, Bill Heusmann's report. My apologies to all. I just hope everything is straightened out for this month!

Aside from last month's mishap, the columnar format was apparently preferred, but there was one bug! The left column to right column, all one date, made rough reading. As a result we'll try something a bit different. It would be appreciated if all reporters would continue using the report forms. These are a convenience for you and help make my work easier as well. Thanks.

Getting back to DX news, it seems that for most (excepting Bob Cooper!) the Perseids shower was quite a dud. Comments from reporters range from, "all that time and sleep wasted!" to "I've seen better mornings for MS when there was no shower". Well, I guess the only comment appropriate is, "You can't win em all".

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Raymond M. Bell, 413 Burton Avenue, Washington, PA 15301 (EST)

7-16: Trops 0800 WAKR-23 Akron, OH	7-18: Trops 2100 WPAR-15 Parkersburg, WV
7-18: Trops 1800 WHIZ-18 Zanesville, OH	WJAN-17 Canton, OH
" " WFMJ-21 Youngstown, OH	WOUB-20 Athens, OH
WAKR-23 Akron, OH	7-29: Es 1700 KARD-3 Wichita, KS
WKBN-27 Youngstown, OH	1800 KACB-3 San Angelo

Rod Luoma, 15437 Ashbury Park, Detroit, MI (CDT)

The below stations were dxed from near New York Mills, Minn. Antenna used was a rhombic which I constructed with considerable help from nearby relatives. The ant. is oriented towards Minneapolis, 145 miles S.E. in hopes of bringing in an alternate network where only KCMT-7 was available. Later this fall I plan on writing an article, when dx is less prevalent, describing the design, installation and performance of this antenna.

7-26: Es 1500 WUSN-2 Charleston, SC	7-26: Es 1600 WESH-2 Daytona Beach, FL
WSAV-3 Savannah, GA	

Gary A. Olson, 5901 W. Brown Deer Road, Apt.107, Brown Deer, Wis. 53223 (CDT)

7-14: Trops 2000 WEAU-13 Eau Claire, WI (NEW)	7-15: Trops 2130 WQAD-8 Moline, IL (NEW)
2055 WICD-15 Champaign, IL (NEW)	2200 WREX-13 Rockford, IL (NEW)
2100 WCMU-14 Mt Pleasant, MI (NEW)	2230 WAKR-23 Akron, OH (NEW)
2200 KMTC-27 Springfield, MO (NEW)	2300 KDNL-30 St. Louis (NEW)
2230 WWUP-10 Ste. St. Marie (new)	7-19: Trops 0050 WKNX-25 Saganaw, MI (NEW)
WTTW-11 Chicago, IL (New)	

I was quite fortunate to receive several new stations during the "week of tropes". Best catch was KMTC-27; it had been beating against semi-local WKOW-27 with strong offset most of the evening on 7-14, but my little bowtie antenna in the trees is in a fixed direction. Finally logged at 2200. Some new ones are embarrassingly close. However, if you understood what pains I went thru to bring them in, you'd be

proud too. Even with my Channel Master traps tuned up, I could barely get such nearby stations as WEAU-13, WREX-13 and WTTW-11 to come thru WISN-12 slop. When I recall how good dxing was in Bloomington, ILL (only 2 V's about 30 miles away & 3 U's at 40 miles) this is certainly a contrast.

Jerry Pulice, 143 Gibson Ave, SI, NY 10308 (EDT??)

7-9: Trops 2317 WTEV-6 Providence, RI (180) 8-1: Trops 0609 WPRI-12 Providence, RI
 WJAR-10 " 0637 WTTG-5 Wash. w/TP
 WPRI-12 " 8-7: Trops 0530 WMAL-7 " "
 7-13: Es 1130 UnID local movie 0600 UnID-7 CBpat. south
 7-16: Trops 0615 WWBT-12 Richmond, VA (280) WBNF-12 Binghamton(w/tp)
 WTOP-9 Washington, DC(200) 0626 WHEN-5 Syracuse, NY(s/on)
 WXEX-8 Petersburg, VA(290) 0646 UnID-6
 0655 UnID-13 west--- 0820 UnID-13 o/WJZ (WUEC?)
 7-18: Trops 0540 WPRI-12 Providence, RI 0852 WWBT-12 Richmond, VA (270)
 WTOP-9 Washington, DC 8-8: Trops 0630 WWBT-12 (270)
 MS 0606 WLWT-5 Cincinnati, OH WTOP-9 (200)
 (New -550mi- my state#30) WTTG-5 "
 Trops 0610 WJAR-10 Providence, RI WTEV-6 New Medford, (190)
 0616 CB-pat west on 5 0728 WLYH-15 Lebanon, PA (new)
 0630 WHDH-5 Boston(200)w/s/on 0800 WHP-21 Harrisburg, PA
 7-22: Es 1630 UnID's on 2, 3 & 4 0837 WTPA-27 (140)(New w/res-
 7-26: Es 1710 " " " " 0900 WWBT-12/(olution scale)
 7-28: Es 1900 WESH-2 Daytona Bch., (950) WTOP-9
 WEDU-3 Tampa, FL (1010) WMAL-7
 UnID's chs 4 & 6 WTTG-5
 7-29: Es 1706 WREC-3 Memphis, TN (840) 8-12: MS 0330 IHTP-6
 UnID-6 w/Flintstones 0349 UnID-4 S/off
 1730 WDCN-2 Nashville(New & Trops 0448 WRC-4 (200)
 w/TETMA TP) WMAL-7 "
 1830 WLBT-3 Jackson, MS WBNF-12 (150)
 7-31: MS 0627 UnID-5 Complex NBC-TP(WMAQ?) MS 0600 WLWT-5 (550)
 (Sry Jerry, WMAQ already pgming 0616 " "
 at this time. MG) several other unid bursts on
 0650 WLWT-5 Cincinnati (w/many 5 from 0616 to 0630.
 bursts, all morning) (all MS was to SW)
 Trops 0840 WWBT-12 Richmond, VA (270)
 WBOC-16 Salisbury, MD (190)

The new Zenith TV has been working well and is a big improvement over the Admiral. For UHF a Caven J-3 has been added to the Lafayette VHF. Lack of space prohibits a parabolic or other large array. Es, trops, MS have all been well below normal, and the Persied shower was a bust (stayed up for nothing). 73, Jerry

John Parillo, 400 S. Market St., Girard, Ohio 44420 (EDT)

7-1: Es 2235 KTWO-2 Casper WY 7-14: Es 1625 WEDU? Tampa, FL
 7-3: Trops 0609 WRC-4 Washington, DC 7-16: Trops 0507 WMAQ-5 Chicago, IL
 0612 WTTG-5 " " 0509 WBNF-12 Binghamton, NY
 7-4: Es 0900 KCKT-2 Great Bend, KS 0655 WLS-7 Chicago, IL
 1755 KDIX-2 Dickenson, ND 0659 WITI? Milwaukee, WI
 1824 CKCK-2 Regina, Sask 0706 WGN-9 Chicago, IL
 7-5: Trops 2130 WPSX-3 Clearfield, PA 0735 WHIZ-18 Zanesville, OH
 7-10: Trops 0550 WMAQ-5 Chicago, IL 7-17: Trops 0539 WBNF-12 Binghamton, NY
 0508 WTTG? Washington, DC 0618 WLWI-13 Indianapolis, IN
 0643 WHTN-13 Huntington, WV 0622 WMAL-7 Washington, DC
 7-11: Trops 0552 WDBJ-7 Roanoke, VA 0627 WFBM-6 Indianapolis
 0553 WMAL-7 Washington, DC(NEW) 7-21: Trops 2325 WUCM-19 Bay City, MI
 0637 WTTG-5 " " 2355 WTVS-56 Detroit, MI
 0645 CFTO-9 Toronto, Ont. 7-22: Trops 0138 WOKR-13 Rochester, NY(NEW)
 7-12: Trops 0655 WHEC-10 Rochester, NY 7-26: Es 1800 WJXT-4 Jacksonville, IL
 7-13: Es 1300 WBRZ-2 Baton Rouge, LA 1817 WPTV-5 West Palm Beach

7-26: Es 1830 KFDX-3 Wichita Falls, TX 7-29: Es 1746 WESH-2 Daytona Beach, FL
 1900 WCTV-6 Thomasville, GA 1757 WJXT-4 Jacksonville, FL
 7-28: Es 1858 WTHS-2 Miami, FL 1758 WUFT-5 Gainesville, FL
 1900 ? -2 St. Joe, MO 1800 WKRG-5 Mobile, AL
 1959 WESH-2 Daytona Beach, FL 1829 WRBL-3 Columbus, GA
 7-29: Es 1409 KDSU-6 New Orleans, LA WTVY-4 Dothan, AL
 WBRZ-2 Baton Rouge, LA 1929 WOAI-4 San Antonio, TX
 1530 KNOP-2 North Platte, NB 1859 KPRC-2 Houston, TX

Roger H. Brown, 624 Evergreen Ave., E. Lansing, MI 48823 (EST)

7-12: Trops 0001 WMTV-15 Madison, WI (NEW) 7-21: Trops 1300 WJMY-20 Detroit, MI (test)
 0005 WKOW-27 " " " 2330 WFMJ-21 Youngstown, O. (NEW)
 0010 WTV-18 Milwaukee, WI 2335 WKBN-27 " " "
 0010 UNID-3 Madison? 7-22: Trops 0800 WYTV-33 " " "
 Es 1330 WUSN-2 Charleston, SC 7-23: Trops 0515 WLWT-5 Cincinnati, OH
 1330 WJXT-4 Jacksonville, FL 7-28: MS 0500-0600 Aquarid active-no IDs
 7-13: Es 1030 WTVJ-4 Miami, FL Es 1730 KDIX-2 Dickenson, ND
 1100 WESH-2 Daytona Beach, FL 1900 KTWO-2 Casper, WY
 7-15: Trops 0215 WHO-13 Des Moines, IA 2000 KOOK-2 Billings, Mont.
 KRNT-8 " " " 8-11: MS 0430 WCBS-2 NYC, NY

On vacation from 8-1 to 8-10 & probably missed much dx, but I really needed that vacation!

Bill Draeb, Ellis Street, RR#2, Kewaunee, WI (CDT)

I have quite a lengthy report, so I'll summarize as much as possible.

7-7: 0610 CHCH-11, WICU-12 7-15: 0540-0615 WTHI-10, WISH-8, WHAS-11,
 7-9: 2130 WCC-4, KMSP-9, WTCN-11, KEYC-12 WKJG-33, KRNT-8, WHO-13, KHQA-7,
 7-10: 0555 WKJG-33, WISH-8, WTHI-10, WBNS-10 WGEM-10, KMBC-9, WDAF-4, KMOX-4,
 7-11: 0520 WISH-8, WJW-8; 0600 WTHI-10, KFVS-12; 1235 KDNL-30; 1605 WVIZ-25;
 WLFI-18; 2021 WKBD-50, WXON-62; 2024 1630 WUSI-16; 1836 KMTC-27, WICS-20,
 WTVS-56; 2304 WXIX-19, WDHO-24; 2311 WLXT 1630 WUSI-16; 1836 KMTC-27, WICS-20,
 -60; 2320 WANE-15; 2332 KMTC-27; 2345 WKTR WLFI-18; 1920 WDHO-24; WGTE-30; 1940
 -16, WKEF-22; 2347 WKJG-33, WIMA-35; 2352 WXIX-19, WLBC-49, 1948 WJAN-17, WAKR-23,
 WPTA-21. WLKY-32; 2002 WKMA-35, WIMA-35; 2010 WSWO-
 7-12: 0645 WSTV-9, WKRC-12, WISH-8; 2030 WKBD-50, WTVS-56, WUAB-43; 2045 WFMJ-21.
 WICD-15, WLFI-18; 2035 WKJG-33, WLBC-49 7-16: 0525 WDCB-19 (new), WDAU-22, WFMJ-21;
 7-13: 0600 WTTV-4, WFBM-6, WLWI-13, WPTA-21, 0530 WNEP-16; 0540 WBRE-28.
 WDHO-24; 1841 WAKR-23, WVIZ-25, WUAB-43 7-22: 0540 WISH-8, WJW-8, WTHI-10, WHAS-11,
 WKBF-61, WKBD-50, WXON-62; 1905 KDNL-30, WICU-12; 0548 WTRF-7; 0601 WSTV-9;
 WGTE-30 (both new); 1925 WUSI-16; 1945 WLXT 0620 KRNT-8; 0644 KGIN-11 (NEW).
 60; 2000 WXIX-19; 2102 WTVS-56; 2106 WLKY- 7-23: 0550 WJW-8, WISH-8, WBNS-10, WTHI
 32. -10; 0617 CHCH-11; 0630 WLFI-18,
 7-14: 0555 WISH-8, WTHI-10, WBNS-10, WHAS-11, WPTA-21, WKJG-33, WIMA-35, WLBC-49,
 WKJG-33; 1830 WICD-15, WLFI-18, WEEK-25 WANE-15; 0645 WLEX-18; 0710 WKEF-22;
 WMBD-31; 1840 WGTE-30, KDNL-30, WDHO-24; 1845 0728 WLKY-32; 0734 WKYT-27; 0738 WEHT-
 WUAB-43; WKBD-50; 1858 WVIZ-25; 1900 WIMA-35, 25.
 1924 WXIX-19, WIRL-19; 1929 WAND-17; 1938 7-26: 1755 Es KATC-3.
 WLKY-32, WLXT-60; 1943 WKMU-21 (NEW); WICS-20, 7-31: 0535 WISH-8, WJW-8, WBNS-10; 0545
 WKBD-27, WJET-24, WKZT-23; 2036 WKMR-38 WTHI-10, WFO-9, WTRF-7, WSTV-9.
 (new); 2048 WPTA-21; 2103 WKBF-61; 2105 8-2: 0800 WFTL-14, WBNS-10; WLEX-18,
 WLBC-49; 2111 KMEG-14, KXNE-19 (new), KMTC- WLKY-32, 0820 WKYT-27; 2232 WKBD-
 27. KVFD-21; 2145 WYTV-33; 2148 KUHI-16. 50, WTVS-56, WXON-62.

With the 7 new ones, my total now rests at 406. (low-190, Hi-102, UHF-114). I've made a few changes in my VHF set up as of July 21. I took down my Taco T-Bird and stacked a pair of Finco ch 7-13 yagis in its place. I noticed they have much more gain and directivity than with the T Bird. I was going to mount the T Bird on a bracket at the 70' level on the tower, but the excessive weight made my tower bend and twist back and forth in slight winds. I'm now thinking of putting it on the house or some other place. Until I do, I'll be without an antenna for VHF low band. 73, Bill

Frank Wheeler, 6589 Wattsburg Road, Erie, PA

(EST)

7-22: Es 1730 KCKT-2 Great Bend, KS(1015) 7-29: Es 1600 WDIQ-2 Dozier, AL
 1800 KVOO-2 Tulsa, OK (943) 1627 KLNE-3 Lexington, NB(779)
 1830 KYTV-3 Springfield, MO(774) 1700 WJXT-4 Jacksonville, FL
 7-28: Es 1630 KOTA-3 Rapid City, SD(1169) (830)
 1700 WSB-2 Atlanta, GA (630) 1800 KBTX-3 Bryan, TX (1199)
 1702 KCKT-2 Great Bend, KS

Estill T. Hall, Jr., Mc Dowell, Kentucky

(EDT)

7-12: Es 1407 CMKU-2 Santiago 7-25: Trop 1115 WLWD-2 Dayton, OH
 CMJA-2 Ciego de Avila 7-26: Es 1830 WESH-2 Daytona Beach, FL
 7-14: Es ?? 1450 KWGN-2 Denver, CO 1835 CMJA-2 Ciego de Avila
 7-17: Es 1005 CMJA-2 Ciego de Avila 7-29 1350 CMJA-2 " "
 1035 CMKU-2 Santiago 1429 KMID-2 Midland, TX
 7-22: Es 2029 WTHS-2 Miami, FL

Jeff Kadet 8047 Park Overlook Drive, Bethesda, MD 20034

This has been another summer where I have been away from home but still dxing as much as possible. This time I DXed in Kenmore, NY and saw 27 stations, (Jeff did include some results of Kenmore, but no dates were given. This has been deleted MG) From Bethesda, we're still confined to rabbit ears, because of ant. ordinance. However, I managed to set up our old 27 el job in the backyard after dark. 7-29 brought in KATC by ES as well as KTBS & KYTV 1430-1600. Also: WREC-3 1630 (new), WCIA-3 KTVO-3 (new), KMOX-4 (new) KTAL-6 (new)@ 1730. WLBT-3 @ 1830; Total now at 89.

William Grant, 16 Goulding Street, Worcester, Mass. 01609

(EST)

6-12: Es 2230 KIII-3 Corpus Christi, TX 7-20: Trop 1015 CBFT-2 Montreal, QU
 (From Grand Canyon, AZ) 7-22: Es 1820 WEDU-3 Tampa, FL
 6-20: Es 1725 CJBR-3 Rimouski, Que 7-24: Trop 2130 WCBB-10 Augusta, ME
 (from Toledo, OH) 2200 WTTA-41 Windsor, VT
 6-27: Es 1840 WEDU-3 Tampa, FL 2220 CBHT-3 ch 11 Yarmouth, NS
 6-28: Es 1130 KQTV-2 St. Joeseeph, MO (412 watts)
 7-5: Trop 1200 CBFT-2 Montreal, QU 7-26: Trop 0925 CBFT-2 Montreal, QU
 WPHL-17 Philadelphia, PA Es 0930 WMT-2 Cedar Rapids, IA
 7-7: Es 2000 KTVO-3 Ottumwa, IA 1310 WLBT-3 Jackson, Miss
 7-11: Es 1900 KGLO-3 Mason City, IA 1505 WESH-2 Daytona Beach, FL
 7-12: Es 0920 WEAR-3 Pensacola, FL 1700 WSB-2 Atlanta, GA
 0930 WSB-2 Atlanta, GA 7-28: Trop 1650 WESH-2 Daytona Beach, FL
 1000 WBRZ-2 Baton Rouge, LA 1700 WEDU-3 Tampa, FL
 7-13: Es 0950 WBRZ-2 Baton Rouge, LA 7-29: Trop 1630 WDCN-2 Nashville, TN
 0957 XEW-2 Mexico City, MX 1640 WABG-6 Greenwood, MS
 (double hop) 1700 WCBI-4 Columbus, MS
 7-16: Trop 1650 WXTV-41 Paterson, NJ 1730 WBRZ-2 Baton Rouge, FL
 1700 WLTV-21 Garden City, NY 8-3: Trop 0930 CBFT-2 Montreal, QU
 7-18: Trop 1830 WPHL-17 Philadelphia, PA
 1900 WNEP-16 Scranton, PA

Mark Kozlowski, 306 Riverside Avenue, Buffalo, NY 14207

(EST)

7-11: Trop 0150 WFBG-10 Altoona, PA(165) 7-15: Trop 1600 CKSO-5 Sudbury, ON(280)
 0600 WIIC-11 Pittsburgh, PA(180) 1620 WFRV-5 Greenbay, WI(480)
 0610 WJW-8 Cleveland, OH (170) 7-16: Trop 0140 WLSC-3 Madison, WI(530)
 0625 WNBF-12 Binghamton, NY(165) 0159 CKLW-9 Winsor, ON(225)
 7-12: Trop 0635 KDKA-2 Pittsburg, PA(180) 0235 WXYZ-7 Detroit, MI(220)
 0710 WTAE-4 " " " 1820 CKNX-8 Wingham, ON(150)
 0740 WEWS-5 Cleveland, OH(170) 7-18: Trop 0555 WLWC-4 Columbus, OH
 7-15: Trop 0510 WKYC-3 " " " 7-19: Trop 0655 WKTV-2 Utica, NY (195)
 0614 WTOL-11 Toledo, OH 7-26: Trop 0612 WKYC-3 Cleveland, OH
 0630 WSPD-13 " " " 0620 WJBK-2 Detroit, MI(220)
 0900 WJAC-6 Johnstown, PA(175) MS 0630 WSB-2 Atlanta, GA

7-26: MS 0740 KSTP-5 St. Paul, MN (710) 7-27: MS 1300 KHAS-5 Hastings, NB(1000)
 Es 1630 WPTV-5 West Palm Beach, FL Tropes 0135 CKWS-11 Kingston, ON(160)
 (1110)
 Es 1640 KOCO-5 OK City, OK (1105)

Robert Seybold, Bennett Road, Dunkirk, NY (EDT)

Most stations under 300 miles have not been included due to being almost daily reception. Log total is now at 432, with 21 new.

7-13: Tropes 0700 WANE-15 Ft. Wayne, IN (315) 7-18: Tropes 1800 WOOD-8 Grand Rapids, MI
 WICD-15 Champaign, IL
 WPTA-21 Ft. Wayne, IN(315)

to WKJG-33 " "

WSBT-22 South Bend, IN

WKBD-50 Detroit, MI

1000 WIMA-35 Lima, OH

7-14: Tropes all WMTV-15 Madison, WI

day WKOW-27 " "

WCMU-14 Mt. Pleasant, MI

WNDU-16 South Bend, IN

WSBT-22 " "

WSJV-28 " "

WKTR-16 Kettering, OH

WTVO-17 Rockford, IL (510)

WTVV-18 Milwaukee, WI (450)

WUCM-19 Saganaw, MI

WCEE-23 Rockford, IL

WCIU-26 Chicago, IL (430)

WFLD-32 " "

WBGU-70 Bowling Green, OH

WLXT-60 Aurora, (near 500)

7-15: All stations rec'd on UHF on 14th again excellent signals plus these:

Tropes

WAND-17 Decatur, IL

WLEX-18 Lexington, KY(425)

WLFI-18 Lafayette, IN

WIRL-19 Peoria, IN (520)

WEEK-25 " " "

WMBD-31 " " "

WHA 21 Madison, WI (500)

WKYT-27 Lexington, KY

KDNL-30 St. Louis, MO(680)

WLBC-49 Muncie, IN

WLKY-32 Louisville, KY(430)

WXXW-20 Chicago, IL

WICS-20 Springfield, IL(575)

WTAR-15 Parkersburg, WV

WSBT-22 South Bend, IN

WKJG-33 Ft. Wayne, IN

7-21: Tropes 1900 WTAP-15 Parkersburg, WV

WJAN-17 Canton OH

to WBGU-70 Bowling Green, OH

WOUB-20 Athens, OH

2400 WSYE-18 Elmira, NY

7-22 Es eve WANE-15, WNDU-16, WKJG,

WKBD-50, WPTA-21, WBGU.

7-23 Tropes WANE-15, WNDU-16, WKJG,

7-25: Es 1200 KNOP-2 N. Platte

to KMTV-3 Omaha, NB

1300 WOW-6 " "

7-30: Tropes WGN-9 Chicago, IL

WZZM-13 Grand Rapids, MI

WJRT-12 Flint, MI

WKZO-3 Kalamazoo, MI

WJIM-6 Lansing, MI

WOOD-8 Grand Rapids, MI

WILX-10 Onondaga, MI

WSYE-18 Elmira, NY

WVIA-44 Scranton, PA

WSYE-18, WVIA-44, WICD,

WPTA-21, WKJG-33, WPFH,

WPHL-17.

WLE-18, WKYT-27, WLKY-32,

WLBG-62, WKPC-15, WXIX,

WOSU-34, WCET-48, WKEF-22,

WKTR-16, WICD-15 and

others closer. On VHF,

Dayton, Cinc., Columbus

station good plus WSIL-3.

8-9: Es 0900 CBHT-3, CKCW-2, KUSD-2.

8-15: Tropes WJJY-14 Jacksonville, IL

Ferdie Dombrowski, Box 5001, Milwaukee, WI 53204 (CDT)

7-1: Es 1805 WBRZ-2, KATC-3, KMID-2,

to KPRC-2, KUTV-2, KSL-5,

KTWO-2, KTVS-3, KID-3,

2330 KOOK-2.

7-4: Es 0825 KTWO-2, KATC-3, UnID 2,3,5.

7-5: Es 2035 UnID-2 Spanish audio

2100 KOOK-2

7-6: Es 1255 UnID-2

7-8: Es 1700 WESH-2, CKCK-2, KRTV-3, CHCT

KFBB-5, KOOK-2, KRGV-5tent.

7-10: Tropes 0730 W71AE La Salle, IL

WICS-20 Springfield, IL

0800 15, 21, 33 Ft. Wayne, IN

0900 WJET-24 Erie, PA

WAND-17 Decatur, IL

1000 WAKB-23 Akron, OH

2200 WCMU-14 Mt. Pleasant, MI

7-11: Tropes 0515 WLWD-2 Dayton, OH

7-12: " 0725 15, 21, 33 Ft. Wayne, IN

2300 WICS-20 Springfield, IL

7-13: Trops 2110 KMTC-27 (tent), KDNL-30, 7-22: 0035 WKBF-61
 2200 WGEM-10. 0530 WIMA-35, WJW-8,
7-14: Trops 0035 KROC-10, KMSP-9. 0550 WKBN-27, WFMJ-21, WLBC-49,
 0110 Canadian 12 from NE to NNE WYTV-33, WKEF-22 (tent),
 0510 WBRP-10, WCPO-9, KMOX-4, WAKR-23, WIMA-35, WHIZ-18.
 WBNS-10, 7-23: 0700 WIMA-35,
 0645 WGEM-10 0800 WGEM-10
 0730 WFTL-14, WEHT-25, WICS-20, 7-28: Es 1740 WTHS-2 (tent), WESH-2
 0845 KPLR-11, KDNL-30. (tent), WEDU-3 (tent),
 0900 WLEX-18, WKYT-27, W71AE. 1900 KTWO-2, KOOK-2, KWGN-2
 1425 KTVO-3 (tent).
 1700 WDHO-24 7-29: Es 1350 KPRC-2, KIII-3 (tent).
 1800 WVIZ-25, WUAB-43, WKBF-61, 1500 WUSN-2
 1824 UnID 52 Or 53 ESE 1530 WSAV-3, WTHS-2 (tent)
 KDNL-30, WGTE-30, 1600 WSB-2 (tent)
 Ft. Wayne 15, 21, 1630 WESH-2
 33. 1830 KATC-3
 1900 WKYT-27 (tent), WFMJ-21 7-31: Trops 0600 15, 21, 33 Ft. Wayne, IN
 (tent), WKEF-22, WICS-20, KMBC-9, KROC-10.
 WJET-24, WCMU-14, 0635 UnID-17 ESE
 2025 WSWO-26, WQLN-54, WHIO-7, 0800 WKEF-22 (tent)
 WKTR-16, WUSI-16, KUHI-16. 8-5: Trops 0835 WICS-20, 15, 21, & 33
 2200 KMTC-27 Ft. Wayne, WKEF-22 (tent),
 2230 KROC-10 KDNL-30, WIMA-35.
 2300 WWUP-10 Es 0900 WGBH-2 (tent), CKCW-2 (tent)
7-15: Trops 0100 KMBC-9, WHO-13, KRNT-8. 8-6: Trops 0600 WJW-8,
 0530 KMBC-9, KCMO-5. 0700 15, 21, 33 Ft. Wayne.
 0540 KOMU-8, KMOS-6. 8-7: Es 2230 WESH-2 (tent)
 0640 WCAU-9 (tent), KGLO-3 (tent) 2350 WEAR-3 (tent)
 WGEM-10, WUHI-16 (tent), 8-10: Trops 0800 WWUP-10
 KROC-10. 8-11: Es 1045 UnID-2 west
 0730 WHNT-19 (tent) 1200 KPRC-2
 2045 KMTC-27 (tent), WKTR-16 8-12: Trops 0645 WGEM-10, KROC-10, KRNT-8,
 (tent), WKBN-21 (tent), 8-13: Trops 0410 WJW-8,
 KDNL-30, WUAB-43, WVIZ-25. 0430 WEWS-5 (tent)
7-16: Trops 0130 WJW-8, WSTV-9 (tent). 0500 WLWD-2 (tent)
 0450 CBOFT-9 (tent), KHQA-7, 0612 KGLO-3
 WHAS-11, WICU-12, WHIO-7, 8-14: Trops 0020 WJYJ-14
 WBNS-10, WSLs-10 (tent), 0505 WTWO-2
 WCPO-9. 0510 WJW-8
 0525 WVNY-22 (755 miles!) 0610 KGLO-3
 WNEP-16 8-26: Trops 0715 WLBC-49, WIMA-35.
 0600 WAKR-23, WBRE-28, WJET-24. 0815 CKLW-9 Youngstown 21, 27, 33
 0620 WIMA-35, WDAU-22 (630mi) WHIZ-18, WAKR-23

It should be noted that most stations under 250 miles have not been included in the above report.

Morrie Goldman, Editor

Well, as I hope a few of you may have noticed, I haven't had my own report in the the column the last couple of months. The reason really hasn't been lack of DX as much as lack of time. Hopefully I'll finally have a report next month!

Once again I ask for your comments, good or bad, on the format used in this months column. The column can only give you the most benefit if its arranged in a form suitable to you.

STATISTICS

EDITOR: Glenn Hauser
519 Adams St
Denver CO 80230

SEPTEMBER
1969

NEW RECORDS

Ch	Call	Location	Prop	Miles	DXer, Location	Previously known record
2	KFEL	Denver CO		1495	Ron de Neuf, Ithaca NY	Ernt 1360
	KBOI	Boise ID		1840	Robert Seybold, Dunkirk NY	Heusmann 1440
	WCBS	New York NY		2510	Randy Miltier, Campbell CA	TIE Cooper 2510
	KUSD	Vermillion SD		1375	Jim Pizzi, Santa Maria CA	Muller 1305
	KMID	Midland TX		1550	David Swanson, Romulus NY	Johnson 1460
	CMJA	Ciego de Avila Cuba		1120	Estill Thone Hall, McDowell KY	new
3	KACB	San Angelo TX		1170	Jim Pizzi, Santa Maria CA	Cooper 1150
4	KVOA	Tucson AZ		1835	Robert Seybold, Dunkirk NY	Goldman 1415
	KNBH	Los Angeles CA		2185	Robert Cooper, Middleport NY	Seybold 2150
	KHTL	Superior NB		1270	Jim Pizzi, Santa Maria CA	Muller 1170
	KROD	El Paso TX		1640	Robert Seybold, Dunkirk NY	Draeb 1335
	CHAT	Pivot Alta		1180	Jim Pizzi, Santa Maria CA	Hauser 1135
5	KHBV	Henderson NV		1095	Fred McCormack, Des Lacs ND	new
	WBAP	Fort Worth TX		1350	Jim Pizzi, Santa Maria CA	Cooper 1315
	"CBXT"	Edmonton Alta		1355	Ferdinand Dombrowski, Okauchee WI	Draeb 1330
6	KAVE	Carlsbad NM		1405	John Parillo, Girard OH	Draeb 1195
	CHSJ	Bon Accord NB		1070	Dave Janowiak, Joliet IL	new
	CJON	Saint John's Nfld		1785	Dave Janowiak, Joliet IL	Wheeler 1400
7	WTRF	Wheeling WV (OH)	MS	960	Robert Cooper, Oklahoma City OK	Janowiak 420
	KUED	Salt Lake City UT		80	Bill Heusmann, Medicine Butte WY (CATV)	new
8	CFQC	Saskatoon Sask		140	Jim Dillon, Regina Sask	new
9	KHJ	Los Angeles CA		200	Cooper Robert, Fresno CA	Smith 115
	KIXE	Redding CA		300	Robert Cooper, Fresno CA	Smith 195
	WOR	New York NY (NJ)		605	G. W. Lowther, Alexandria IN	not Rauch
	WOR	New York NY	MS	805	Barney Rauch, Peoria IL	not trop
	"CBLT"	Toronto Ont		165	Robert Cooper, Ithaca NY	now ch 6 new
10	KOGO	San Diego CA		400	Robert Cooper, Modesto CA	Smith 240
11	KNTV	San Jose CA		180	Jim Pizzi, Santa Maria CA	TIE Smith 180
	WBAL	Baltimore MD	MS	960	Bedford Brown, Hot Springs AR	not trop
	KGIN	Grand Island NB		630	Bill Draeb, Kewaunee WI	Eckberg 430
12	KCOY	Santa Maria CA		190	Robert Cooper, Modesto CA	Smith 160
	WDEL	Wilmington DE		270	Robert Seybold, Dunkirk NY (=WPFH)	Day 225
	WBNF	Binghamton NY		645	Ferdinand Dombrowski, Lebanon WI	not Okauchee
14	WCMU	Mount Pleasant	MI	285	Robert Seybold, Dunkirk NY	Lewis 265
15	WMTV	Madison WI		510	Robert Seybold, Dunkirk NY	Lewis 495
16	KEDD	Wichita KS	***995	630	Robert Seybold, Dunkirk NY	now off new
	WNEP	Scranton PA		725	Ferdinand Dombrowski, Milwaukee WI	Draeb TIE
19	WCDC	Adams MA		505	Bill Draeb, Kewaunee WI	Howington 435
	KXNE	Norfolk NB		515	Robert Cooper, Oklahoma City OK	Cooper 465
21	KVFD	Fort Dodge IA		540	Bill Draeb, Kewaunee WI	Gould 435
	WKMU	Murray KY		510	Robert Seybold, Dunkirk NY	Pomeroy 365
	WHA	Madison WI		625	Ferdinand Dombrowski, Milwaukee WI	Draeb TIE
22	WDAU	Scranton PA		115	William & Richard Nieman, Buffalo NY	off new
24	WTVE	Elmira NY		230	Robert Seybold, Dunkirk NY	TIE Olson 230
25	WKNX	Saginaw MI		185	Robert Cooper, Lafayette CA	Preston 110
27	KCOK	Tulare CA		630	Ferdinand Dombrowski, Milwaukee WI	Draeb TIE
28	WBRE	Wilkes Barre PA		250	Robert Cooper, Lafayette CA	Cooper 200
29	KBAK	Bakersfield CA		630	Robert Seybold, Dunkirk NY	Cooper 445
30	KDNL	Saint Louis MO		275	Bill Draeb, Kewaunee WI	Janowiak/Ferdie 240
	WGTE	Toledo OH		755	Ferdinand Dombrowski, Milwaukee WI	Palmer 360
22	WVNY	Burlington VT				

LOWBAND TROPS RECORDS BEGIN IN NOVEMBER. REPORTS IN BY 10 October, PLEASE!!

A close call! Ace DXer Bob Seybold has submitted some of his records. His best distance, a spectacular catch, is for ch 3 in São Paulo, Brazil, PRF3. On our usually trusty NGS globe, it was impossible to tell whether Bob in Dunkirk NY was farther from PRF3 than Bed Brown in Hot Springs AR, who saw them too. So, resorting to spherical trig, we computed Brown, 5021 statute miles; Seybold, 5012. Coordinates came from the Times Atlas of the Americas, presumably for the centers of the cities. If PRF3's xmtr was remote, the record could possibly reverse...who knows? Note also Bob's 995-mile UHF record of many years back, which is yet to be surpassed in current activity. Thanks also to Jim Pizzi for his list and to Bob Cooper for his oldies, and to all the regular reporters!

CHANNEL 13 SKIP TVDX RECORDS

Call	Location	Miles	DXer, Location	Comments
KLAC	Los Angeles CA	1795	Phil Rader, Indianapolis IN	now KCOP
KCGM	Albuquerque NM	1500	Ernest J. Smith, Bennettsville SC	
WSPD	Toledo OH	MS 715	Bedford Brown, Hot Springs AR	
KTVW	Tacoma WA	1680	Barney Rauch, Peoria IL	
(CMAB)	Victoria de las Tunas Cuba	1075	Ed Bourgeois, Norco LA	now off
	TOTAL for 5 stations	6755	Average: 1351	

CHANNEL 13 TVDX RECORDS (Trops, groundwave, unknown)

WAPI	Birmingham AL	620	Robert Cooper, Oklahoma City OK	
KOLD	Tucson AZ	870	Ron Pugh, Fort Bragg CA	
KCOP	Los Angeles CA	200	Robert Cooper, Fresno CA	was KLAC
KOVR	Stockton CA	270	Ed Albright/Charles Wood, Mt Ashland OR	
EBLU	Yuma AZ (CA)	30	Bill Fulton, Yuma AZ	
KRDO	Colorado Springs CO	500	Carl Dabelstein, Omaha NE	
WTVT	Tampa FL	185	Jeff Kadet, Miami Beach FL	
WMAZ	Macon GA	785	Henry Marbach, White Plains NY	
WREX	Rockford IL	645	Robert Cooper, Oklahoma City OK	
WLWI	Indianapolis IN	680	Glenn Hauser, Enid OK	
WHO	Des Moines IA	715	Mark Lewis, Downsview Ont	
		tie	Robert Seybold, Fredonia NY	
KUPK	Garden City KS	225	Robert Cooper, Oklahoma City OK	
WIBW	Topeka KS	895	Robert Seybold, Dunkirk NY	
WLTW	Bowling Green KY	620	Glenn Hauser, Enid OK	
KLSE	Monroe LA	200	Ed Bourgeois, Norco LA	now off?
WVEU	New Orleans LA	575	B. J. Bingham, Festus MO	now ch 12
WGAN	Portland ME	425	Richard Nleman, Buffalo NY	
WJZ	Baltimore MD	445	Bill Meers, Lagrange KY	was WAAM
WMTV	Cadillac MI	490	B. J. Bingham, Festus MO	now ch 9
WZEM	Grand Rapids MI	530	Stu Grade, Sioux City IA	
WLOK	Biloxi MS	635	Glenn Hauser, Enid OK	
KRCG	Jefferson City MO	525	Frank Hill, Gallipolis OH	
KHOL	Kearney NB	530	Bill Neusmann, Steger IL	
WATV	Newark NJ	755	Tommy Larkins, Clarksville TN	now WNDT (NY)
KCCM	Albuquerque NM	740	Carl Dabelstein, Omaha NB	
WOKR	Rochester NY	320	Frank Merrill, Milan MI	
WAST	Troy NY	420	Carlton Howington, Uniontown OH	
WKTW	Utica NY	1135	Bedford Brown, Hot Springs AR	now ch 2
WLOS	Asheville NC	665	Bill Draeb, Kewaunee WI	
KAMC	Minot ND	225	Bernard Koenig, Regina Sask	
WHIO	Dayton OH	345	F. J. Glaub, East Moline IL	now ch 7
WSPD	Toledo OH	435	B. J. Bingham, Festus MO	
KETA	Oklahoma City OK	280	Dave Pomeroy, Overland Park KS	
KVAL	Eugene OR	140	Pat Martin, Seaside OR	
		tie	Ed Albright/Charles Wood, Mt Ashland OR	
		tie	Doris Johnson, Longview WA	

STATISTICS

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SEPTEMBER 1969

WJAC	Johnstown PA	350	G. W. Lowther, Alexandria IN	now ch 6
WQED	Pittsburgh PA	470	Ferdinand Dombrowski, Okauchee WI	
WBTW	Florence SC	245	Jeff Kadet, Nahunta GA	was ch 8
KSOO	Sioux Falls SD	510	Fred Nordquist, Tulsa OK	
WHBQ	Memphis TN	645	John Parillo, Girard OH	
KERA	Dallas TX	260	Glenn Hauser, Enid OK	
KELP	El Paso TX	35	Fred Nordquist, White Sands Missile Range NM	
KTRK	Houston TX	990	Carlton Howington, Homestead FL	
KDUB	Lubbock TX	505	Bedford Brown, Hot Springs AR	now KLBK
WVEC	Hampton VA	470	Dave Siddall, Hyannis MA	was ch 15
WLVA	Lynchburg VA	460	John Cody, Middletown CT	
KTVW	Tacoma WA	110	Pat Martin, Seaside OR	
WHTN	Huntington WV	725	Ed Rugel, Independence KS	
WEAU	Eau Claire WI	610	Art Collins, Buffalo NY	
CHBC1	Penticton BC	230	Doris Johnson, Longview WA	properly CHBC-TV-1
CKCO	Kitchener Ont	395	Gary Olson, Barrington IL	
CJOH	Ottawa Ont	225	Richard & Dave Nieman, Buffalo NY	
CKTM	Trois Rivieres PQ	150	Chislain Girard, Arvida PQ	
TOTAL for 52 stations:		24540	Average: 472 miles	

Analysis. Well, I couldn't help it...your editor leads on 13, with 4 records at 2195 miles. Then Cooper with 4 at 1690; Seybold with 2 at 1610; Bingham, 3 at 1500; and Howington, 2 at 1410. No records found for WJED Calais ME, WIRT Hibbing MN, KGVO Missoula MT, KTNE Alliance NE, KSHO Las Vegas NV, KFME Fargo ND, LTVR La Grande OR, i.e.

CHANNEL 39 TVDX RECORDS

KCST	San Diego CA	195	Dennis Smith, Santa Barbara CA	was KAAR
WTVO	Rockford IL	515	Art Collins, Buffalo NY	now ch 17
		tie	King Schafer, Kenmore NY	
		tie	Richard Nieman, Buffalo NY	
WLVT	Bethlehem PA	315	Carlton Howington, Uniontown OH	
KDTV	Dallas TX	255	Glenn Hauser, Enid OK	
KHTV	Houston TX	490	Glenn Hauser, Enid OK	
TOTAL for 5 stations:		1770	Average: 354	

CHANNEL 40 TVDX RECORDS

KLXA	Fontana CA	175	Stanton Wigh, Kingsburg CA	
KCCC	Sacramento CA	235	Dennis Smith, Wasco CA	now off
KTXL	Sacramento CA	240	Dennis Smith, Wasco CA	
WHYN	Springfield MA	320	Hank Holbrook, Fair Haven MD	
WCMC	Wildwood NJ	195	Claude Kumjian, Orient Point NY	
WINR	Binghamton NY	600	Bill Heusmann, Steger IL	
WAIM	Anderson SC	115	Bill Heusmann, Jonesboro GA	
TOTAL for 7 stations:		1880	Average: 269	

CHANNEL 41 TVDX RECORDS

WCDA	Albany NY	260	Richard Nieman, Buffalo NY	now off
WXTV	Paterson NJ (NY)	210	Larry Vogt, Springfield VA	
KCOR	San Antonio TX	485	Ed Bourgeois, Norco LA	now KWEX
WVTA	Windsor VT	90	Bill Grant, Worcester MA	
TOTAL for 4 stations:		1045	Average: 261	

CHANNEL 42 TVDX RECORDS

WBMG	Birmingham AL	495	Gary Olson, Bloomington IL	
KCFT	Concord CA	125	Dennis Smith, Donner Pass CA	now off
KHFI	Austin TX	425	Glenn Hauser, Enid OK	
TOTAL for 3 stations:		1045	Average: 348	

TV RANK IN OCTOBER..DEADLINE 15 SEPT. FM RANK IN NOVEMBER, AS OF 30 SEPT, IN BY 15 OCT!
73 de Glenn

AMSAT: radio amateur satellites

(REPRINTED WITH THE AUTHORS' PERMISSION FROM QST MAGAZINE: JUNE, 1969.)

(CONDENSED FROM THE ARTICLE WRITTEN BY PERRY I. KLEIN AND WM A. TYNAN.)

A NEW GROUP HAS BEEN FORMED IN THE NATION'S CAPITAL A FEW MONTHS AGO TO COORDINATE RADIO AMATEUR EFFORTS WITH THE NATION'S SPACE PROGRAM. AT A WASHINGTON MEETING IN JANUARY, GEORGE JACOBS (W3ASK) SUGGESTED THAT AN EAST COAST GROUP BE FORMED TO BUILD NEW COMMUNICATIONS SATELLITES FOR AMATEUR USE. HE POINTED OUT THAT THE MANY AMATEURS EMPLOYED IN GOVERNMENT AND INDUSTRY IN THE D.C. AREA WERE CAPABLE AND WILLING TO NOT ONLY TEST BUT ALSO TO DESIGN AND BUILD SATELLITES. THERE WAS MUCH DISCUSSION AMONG VARIOUS AMATEUR RADIO CLUBS AND THE ENTHUSIASTIC RESPONSE LED TO THE FORMING OF THE RADIO AMATEUR SATELLITE CORPORATION, OR AMSAT FOR SHORT, INCORPORATED MARCH 3RD, 1969.

NUMEROUS CLUBS, SCIENTISTS, INDIVIDUAL HAMS, AND OTHER ORGANIZATIONS HAVE JOINED AMSAT, 50 MEMBERS IN THE FIRST MONTH ALONE. MEMBERS ARE AFFILIATED WITH NASA, MANY GOVERNMENT AGENCIES AND PRIVATE ENTERPRISES ENGAGED IN THE SPACE PROGRAM AND AMATEUR RADIO. TALKS WERE INITIATED EARLY WITH OFFICIALS OF PROJECT OSCAR, AN ALREADY OPERATING AMATEUR SATELLITE ORGANIZATION. AMSAT MEMBER CLUBS ARE ASSIGNED SPECIFIC TASKS IN WHICH THEY HAVE ALREADY EXPRESSED INTEREST, RANGING FROM CONSTRUCTION OF SATELLITE SUB-ASSEMBLIES TO TRACKING THE SATELLITES AFTER LAUNCH.

ONE OF AMSAT'S FIRST TASKS WILL BE THE LAUNCHING OF "AUSTRALIS OSCAR", AN AMATEUR SATELLITE BUILT BY AUSTRALIANS BUT SO FAR UNABLE TO OBTAIN A LAUNCH.

IT IS PLANNED OR ENVISIONED THAT FUTURE AMSAT AND OSCAR SATELLITES WILL BE USED TO RELAY AMATEUR CW, SSB AM, FM AND EVEN TV SIGNALS OVER LARGE PORTIONS OF THE EARTH. SUCH ACTIVITIES CAN OVERCOME THE VHF AND UHF BANDS TO WORLDWIDE COMMUNICATIONS NOW RESTRICTED TO LOWER BANDS DUE TO PROPAGATION RESTRICTIONS.

AMSAT OFFICIALS ARE ELECTED FROM ITS ACTIVE CLUBS SO THAT ACTIVE PARTICIPATION IS ENCOURAGED BY THE POSSIBILITY OF PROMOTION WITHIN THE ORGANIZATION. AMSAT WAS INCORPORATED AS A NON-PROFIT CORPORATION IN THE D.C. TEMPORARY OFFICERS WERE APPOINTED TO COORDINATE EARLY ACTIVITIES UNTIL THE FIRST ELECTED OFFICIALS ARE ELECTED BY THE MEMBERS AT THE CORPORATION'S FIRST ANNUAL MEETING PLANNED FOR NOVEMBER, 1969.

FINANCING OF AMSAT ACTIVITIES IS CURRENTLY ACCOMPLISHED BY ANNUAL DUES OF \$5.00 FOR INDIVIDUALS AND \$10.00 FOR CLUBS. SO FAR, COSTS HAVE BEEN KEPT TO A MINIMUM BY GENEROUS DONATIONS OF PRINTING AND ADDRESSOGRAPH FACILITIES BY MEMBERS. NONE OF AMSAT'S WORKERS ARE PAID SO ALL FUNDS GO INTO ADMINISTRATIVE COSTS AND SATELLITE COMPONENTS. COST OF CONSTRUCTION WILL BE KEPT TO A MINIMUM USING AMATEUR INGENUITY AND PARTS OBTAINABLE HOPEFULLY FROM LEFTOVERS OF PREVIOUS SPACE PROJECTS.

AMSAT SATELLITES WILL BE CARRIED PIGGYBACK WITH OTHER SATELLITES, AND AMSAT WILL FURNISH SECTIONS OF LARGER CONGLOMERATE SATELLITES.

SOME TASKS ALREADY ASSIGNED TO MEMBER CLUBS ARE:

GRAVITY GRADIENT STABILIZATION FEASIBILITY STUDY
SATELLITE REPEATER AND ANTENNA STUDIES
LAUNCH VEHICLE INTERFACING
SOLAR AND NUCLEAR POWER SOURCE STUDY
SATELLITE ACCESS AND OPERATING PROCEDURES
FREQUENCY COORDINATION AND SELECTION
LAUNCH VEHICLE SPACE AVAILABILITY STUDY
DIPLEXER STUDY
ETC.

THE PURPOSES AND OBJECTIVES OF AMSAT AS SET DOWN IN THE BY-LAWS ARE:

- A. TO PROVIDE SATELLITES FOR AMATEUR RADIO COMMUNICATIONS AND EXPERIMENTATION.
- B. TO ENCOURAGE DEVELOPMENT OF SKILLS AND THE ADVANCEMENT OF SPECIALIZED KNOWLEDGE IN SPACE SCIENCE AND HAM COMMUNICATIONS.
- C. TO FOSTER INTERNATIONAL GOODWILL & COOPERATION THRU JOINT EXPERIMENTATION, STUDY, AND PARTICIPATION IN ACTIVITIES.
- D. TO FACILITATE EMERGENCY COMMUNICATIONS BY AMATEUR SATELLITE WHEN NECESSARY.

AMSAT INVITES INTERESTED GROUPS AND INDIVIDUALS TO PARTICIPATE IN ITS ACTIVITIES. WOULD YOU OR YOUR GROUP BE INTERESTED IN BUILDING A SATELLITE OR SATELLITE SUB-SYSTEM OR EXPERIMENT, OR TAKE PART IN A TRACKING NETWORK? IF SO, WRITE:

AMSAT, Box 27, WASHINGTON, DC
ZIP 20044

YOU WILL BE SENT AN APPLICATION FORM AND ADDITIONAL INFORMATION ABOUT THE ORGANIZATION, ITS AIMS, OBJECTIVES.

- E. TO ENCOURAGE MORE EFFECTIVE USE OF HIGHER FREQUENCIES.

- F. TO DISSEMINATE SCIENTIFIC, TECHNICAL AND OPERATIONAL INFORMATION DERIVED FROM COMMUNICATIONS AND EXPERIMENTATION; AND TO ENCOURAGE PUBLICATION OF SUCH INFORMATION.

EUROPEAN SCENE

FROM
ENGLAND

ROGER BUNNEY
TRELAWNE, CUPERNHAM LANE
ROMSEY, HANTS, SO5 8JH

EXCELLENT SPORADIC CONDITIONS HAVE CONTINUED INTO JUNE IN EUROPE, AND ONLY IN THE LAST FEW DAYS OF THE MONTH WERE CONDITIONS QUIET. REPORTS FROM OTHER DXERS IN THE UK AND ANOTHER DXER IN EAST GERMANY INDICATE SIMILAR RESULTS. INCIDENTLY THE CONTACT IN EAST GERMANY OBTAINED MY ADDRESS FROM ANOTHER DDR FRIEND WHO SAW THE DIGEST!

OPENING OCCURRED ON JUNE 1, 2, 4, 7, 8, 10, 13-21, 24-27, AND 29TH. THESE WERE OPENINGS OBSERVED BY MYSELF, BUT THERE HAS BEEN ACTIVITY OBSERVED ON OTHER DAYS ALSO, BY OTHER DXERS. RATHER THAN GIVE SPECIFIC COUNTRIES I WILL SUMMARIZE. ONE THING THAT HAS BEEN RATHER MARKED IS THE PREDOMINANCE OF SCANDINAVIAN STATIONS RECEIVED HERE. HARDLY A DAY WENT BY WITHOUT SOME SKIP FROM THESE COUNTRIES. ANOTHER ITEM WORTH NOTING WAS THE DAY AFTER DAY EARLY MORNING RECEPTION FROM THE USSR. SEVERAL DAYS IN SUCCESSION FROM 0600 GMT SIGNALS WERE IN (BY E3), EXTREMELY NOISEY AND SLOW FADING, RESEMBLING A TROPS SIGNAL. THIS WOULD INDICATE RATHER LONG SKIP DUE TO THE LACK OF OTHER STATIONS SUCH AS POLAND WHICH USUALLY ACCOMPANY USSR SKIP. (PUBLISHER'S NOTE: SOUNDS LIKE DOUBLE-HOP E). SKIP CONTINUED UNTIL TIMES WHEN POLAND IS ON THE AIR. SIMILAR TRANSMISSIONS WERE SEEN FROM CYPRUS IN THE DAYS WHEN THEY HAD AN XTR ON CHANNEL E2.

UNFORTUNATELY, DUE TO THE FACT THAT MOST PROGRAMMING AND TESTS ARE ON A NATIONAL NETWORK IT IS IMPOSSIBLE TO ID ANY ONE TRANSMITTER. SOMETIMES WHEN A STATION BEGINS PROGRAMMING IT IS POSSIBLE TO ID A CERTAIN AREA WITH THAT AREA'S CHIEF CITY ID DURING THE OPENING FILM SEQUENCE. HOWEVER THIS IS AN EXCEPTION TO THE GENERAL NON-ID RULE.

ON 26 JUNE, AT 0716 GMT, VERY SHORT SKIP FROM NTS-LOPIK, HOLLAND WAS SEEN ON E4 WITH VERY STRONG TEST-CARD AT 280 MILES. (THIS IS ONLY THE SECOND TIME I HAVE SEEN SHORT SKIP HERE; PREVIOUSLY IT WAS E3 IN LIEGE, BELGIUM.) THE SIGNALS WERE STRONG WITH MULTIPLE IMAGES AND SMEARING.

ON THE 16TH, AT 1709 GMT, TEST CARD G (LIKE NRK-NORWAY USES), WAS SEEN ON RUSSIAN CH. 2 CARRYING NO ID. DIRECTION WAS SE. NO KNOWN EASTERN EUROPEAN COUNTRY HAS BEEN SEEN THIS YEAR USING THAT CARD, AND I AS YET HAVE NO NEWS AS TO ITS LOCATION.

MY FRIEND ROY SHEPPARD WORKING WITH JORDAN TV IN AMMAN HAS STARTED DXING USING A 3 ELEMENT CH.E3 ANTENNA ON THE ROOF--NOT YET ON HIS 50 FT MAST. HE HAD 2000MI SKIP IN THE FIRST WEEK WITH SWEDEN ON E3. HE ALSO NOTED RUMANIA USING THE EBU TEST CARD, WHICH IS BAD NEWS FOR US. PRESENTLY 8 COUNTRIES USE IT AND MOST DON'T BOTHER TO PUT THEIR ID ON IT. HE HAS SEEN 525 LINE SIGNALS HAVE APPARENTLY FROM ARABIA AND IRAN ON A2 AND/OR A3. HE HAS ALSO SEEN SKIP FROM THE EAST (ASIA) WHICH OF COURSE HAVE NEVER BEEN SEEN IN EUROPE SO WE CAN'T HELP HIM ID THEM.

THE NEW EXPORT RECEIVERS I PURCHASED WORK QUITE WELL, ALTHOUGH I STILL RETAINED ONE OF THE NARROW BANDWIDTH (3MHz) BRITISH RECEIVERS FOR GENERAL USE. THE SYNC HAS BEEN MODIFIED AND GREATLY IMPROVED FOR BETTER FIELD LOCKING. ANOTHER GREAT IMPROVEMENT HAS BEEN THE ADDITION OF 2 NOTCH FILTERS WHICH I RECENTLY CONSTRUCTED. THE PROBLEM WAS A LOCAL ON B3 WITH AUDIO AT 53.25 AND VIDEO AT 56.75 MHz. ITALY'S CH.A VIDEO IS AT 53.75 AND E3 VIDEO AT 55.25 AND THESE WERE GETTING SPLATTERED BADLY BY THE 100KW LOCAL 24 MILES AWAY. WITH THE NOTCH FILTER WEAK SKIP SIGNALS WILL COME THROUGH THE LOCAL OK. THE NOTCH IS VERY SHARP AS CAN BE SEEN FROM THE FACT THAT THERE IS ONLY $\frac{1}{2}$ MHz BETWEEN B3 AUDIO AND 1A VIDEO. THE QUOTED INSERTION LOSS IS 55DB; OFF-THE-PEAK LOSS IS VISUALLY UNNOTICEABLE. THIS IS FOR COAX FEEDER, AND IF ANYONE WANTS THE PLANS LET ME KNOW.

ICELAND HAS BEEN SEEN BY SEVERAL DXERS HERE NOW, SO ITS A GOOD BET FOR AURORA FOR NORTH AMERICAN DXERS ALSO. CHANNELS ARE E3 AND E4.

GOOD DX,

(PUBLISHER'S NOTE: AS MENTIONED PREVIOUSLY IN THIS COLUMN, EUROPEAN TV IS MOSTLY GOVT OWNED AND OPERATED AND HENCE QUITE DIFFERENT THAN IN NORTH AMERICA. IN SOME LARGER COUNTRIES THERE ARE REGIONAL "NETWORKS" WHICH MAY ID SOMETIMES WITH A CHIEF CITY'S NAME. AS A RULE HOWEVER, THE TEST-CARD AND ALL IDS ARE FOR THE CAPITAL CITY ONLY, AND DXERS CAN DO LITTLE MORE THAN COUNT COUNTRIES--NOT INDIVIDUAL TRANSMITTERS--BECAUSE ALL TRANSMITTERS ARE SATELLITES OF THE MAIN CITY. IN USSR, THE MOSCOW ID MAY BE SEEN FROM THE FAR-EASTERN STATIONS AS WELL AS THE FAR WEST, THRU 11 DIFFERENT TIME ZONES!)

EUROPEAN SCENE

ROGER BUNNEY
TRELAWNE, CUPERNHAM LANE
ROMSEY, HANTS, SO5 8JH

WE SHALL TRY TO COVER ALL THE SCANDINAVIAN TV COUNTRIES IN THIS REPORT.

NORWAY USES TESTCARD G, VERY SIMILAR TO THE OLD C TYPE. THE CARD CARRIES THE ID "NRK" OR OF THE POST OFFICE AT THE BOTTOM, (TELGRAPH STREET, NORGE.) T/C IS ON 0900-1900. PROGRAM TIMES VERY APPROXIMATELY ON WEEKDAYS: 1900-2330. (WEEKENDS ARE NOT KNOWN.)

MAIN TRANSMITTERS ARE AS FOLLOWS, IN BAND 1: (ALL ARE HORIZONTALLY POLARIZED):

MELHUS	E2	100kw	HEMNES	E3	60kw	KONSBERG	E4	100kw
STEIGEN	E2	60kw	GAMLEMSVETEN	E3	60kw	HADSEL	E4	30kw
VARANGER	E2	30kw	BREMANGER	E4	30kw	GREIPSTAD	E2	15kw

SWEDEN USES A VERY DISTINCTIVE TEST-CARD. AT TIMES THE NAME OF THE ACCOMPANYING MUSIC IS SUPERIMPOSED ACROSS THE CARD WITH THE COMPOSER'S NAME, ALSO. WHEN THIS INFO IS NOT SUPERIMPOSED, THE NAME OF THE AREA'S MAIN XTR WILL BE SEEN ACROSS THE BOTTOM, BE IT STOCKHOLM, SUNDSVALL, OR WHATEVER. BESIDES THIS CARD, A LINE-SAWTOOTH OR 12 VERTICAL BLACK BARS MAY BE RUN.

PROGRAM TIMES: MONDAY THRU FRIDAY APPROX 1900-2330; WEEKENDS 1600-2330. ALSO, THERE ARE THE SCHOOL PROGRAMS CAN BE SEEN WEEKDAYS AT 0900+ AND HAVE ALSO BEEN SEEN AT 1200. THE CAPTION USED IS AN OLD POCKET WATCH AND THE WORDING "SKOL TV."

MAIN TRANSMITTERS IN BAND 1: (ALL HORIZONTALLY POLARIZED):

HÖRBY	E2	100kw	SKÖVDE	E3	60kw	BODEN	E4	60kw
ÖREBRO	E2	60kw	SVEG	E3	60kw	ÖSTERSUND	E4	60kw
VÄNNÄS	E2	60kw				STOCKHOLM	E4	60kw

FINLAND HAS 4 TRANSMITTERS IN BAND 1, NOT OFTEN SEEN IN THE SOUTH OF ENGLAND. TEST-CARD G IS RADIATED FROM 0900, AND PROGRAMS APPROX 1700-2200. THE T/C CARRIES THE ID: "YLEISRADIO TV1" OR "YLEISRADIO TV2" AT THE BOTTOM. REMEMBER THAT THESE STATIONS IN FINLAND (AS WELL AS NORWAY AND SWEDEN) ARE AT OR NEAR THE ARCTIC CIRCLE AND IF AURORA OCCURS IT MAY BE POSSIBLE TO SEE THEM IN NORTH AMERICA, SO ITS WELL WORTH LOOKING).

MAIN TRANSMITTERS:

TAIVALKOSKI-1	E2	15kw-VERTICAL	TERVOLA-1	E3	20kw-HORIZONTAL
TAMPERE-2	E2	10kw-HORIZONTAL	KAJAANI-1	E4	15kw-HORIZONTAL

DENMARK HAS BEEN SEEN IN NORTH AMERICA ALSO, ALTHO THE LOWEST CH E3 IS VIRTUALLY IMPOSSIBLE DURING THE CURRENT SUNSPOT CYCLE. (SEEN BY RON BOYD DURING 1957 CYCLE).

THE TWO BAND 1 XTRS ARE OF RELATIVELY LOW-POWER AND AREN'T SEEN IN THE UK OFTEN. THEY RADIATE T/C G WITH THE XTR NAME AT THE BOTTOM. TESTS BEGIN IN MID-MORNING AND CONTINUE UNTIL THE EVENING PROGRAMS BEGIN, ABOUT 1830 LOCAL TIME; ENDING 2200. THERE ARE SOME EDUCATIONAL PROGRAMS DURING THE MORNING AND AFTERNOONS. SKIP DXERS OBSERVE THAT ONE STN IS IN, THE OTHER IS TOO, ALMOST INVARIABLY.

TRANSMITTERS ARE: FYN ON E3 WITH 10kw; KØBENHAVN (COPENHAGEN) ON E4 WITH 10 kw.

THERE ARE CURRENTLY NO PIRATE TV STATIONS OPERATING IN EUROPE, BUT THERE HAVE BEEN IN THE PAST AS YOU MAY WELL KNOW. IN THE UK AREA THERE WERE TOWER TV, TV NORDZEE, AND RADIO SYD. THERE ARE RUMORS OF A NEW STATION TO START IN THE CANARY ISLANDS AREA OFF NORTH AFRICA, AND POSSIBLY ANOTHER IN THE IRISH SEA.

NOT TOO FAR FROM DENMARK, AND THE SCENE OF A FORMER PIRATE, IS HOLLAND. LOPIK E4 IS THE ONLY XTR IN BAND 1, WITH 100kw. PROGRAMS ARE PROVIDED BY VARIOUS PROGRAM BOARDS OF DIRECTORS AND NTS (NEDERLANDSE TELEVISIE STICHTING). APPROXIMATE PROGRAM TIMES:

WEEKDAYS: 1850-2300. SATURDAY: 1330-2300. SUNDAYS: 1100-1200, 1400-2300.

THERE ARE SEVERAL SCHOOL AND NATIONAL BETWEEN 1020 AND 1130 ON SOME WEEKDAYS. TESTCARD IS RADIATED FROM ABOUT 0900 AND THROUGHOUT THE AFTERNOON UNTIL REGULAR PROGRAMS BEGIN. THEY USE EITHER AN RETMA WITH "NEDERLAND 1" IN THE UPPER HALF, OR AN ELECTRONIC TYPE. (THE FORMER WAS PICTURED A FEW MONTHS AGO IN THE VHF-UHF DIGEST).

WE SHALL CONCLUDE THIS MONTH WITH ALBANIA. THIS COUNTRY HAS ONLY ONE STATION IN BAND 1 AND THAT RADIATES ONLY 50 WATTS. IT HAS NEVER BEEN SEEN ON SKIP OR TROPS AND IS NOT LIKELY TO BE,, AS LONG AS IT STAYS AT 50 WATTS. BULGARIA HAS ONLY AN XTR ON THE HIGH BAND. SO THE 2 COUNTRIES WILL BE SKIPPED UNTIL THE SITUATION CHANGES DX-WISE. 73s.

MEXICAN TV STATIONS

FROM "COLLEGIOS PUBLICITARIOS MEXICANOS"-----

by Ronald F. Schatz.

2: KHIA-TV Torreon, Coah. 4	7: XEX-TV Paso de Cortes, Mex. R-C
XEPN-TV Ciu. Juarez, Chih. 40	XHMZ-TV Mazatlan, Sin. 8.2
XHCH-TV Chihuahua, Chih. 6	XHGO-TV Ciu. Ladero, Tamps. 3.7
XeW-TV Mexico, D.F. 100	8: XHAH-TV Las Lajas, Ver. R-A
XEWO-TV Guadalajara, Jal. R-A	9: XEQ-TV Paso de Cortes, Mex. R-A
XHI-TV Ciu. Obregon, Son. 24	XHPT-TV Merida, Yuc. 120
XHFA-TV Nogales, Son. 8	10: XHK-TV La Paz, B.C.S. 7
XEFE-TV Nuevo Laredo, Tamps. 30	XHA-TV Durango, Dgo. 0.45
XHEM-TV Vera Cruz, Ver. 12½	XHL-TV Leon, Gto. 30
3: XHBC-TV Mexicali, B.C. * 15	XHKW-TV Morelia, Mich. 6
XHJNA-TV Hgo del Parral, Chih. 2	XHX-TV Monterrey, N.L. * 329
XEZ-TV El Zamorano, Gto. R-A	XHAI-TV Las Lajas, Ver. R-C
XEFB-TV Monterrey, N.L. * 100	11: XEIP-TV Mexico, D.F. @ 5
XHP-TV Puebla, Pue. 6	XEUS-TV Hermosillo, Son. @ 1
XHQ-TV Culiacan, Sin. 24	12: XEW-TV Tijuana, B.C. 66
XHCV-TV Coatzacoalcas, Ver. 18	XHAW-TV Monterrey, N.L. 100
XHY-TV Merida, Yuc. * 120	XHCG-TV Los Mochis, Sin. 2
4: XELN-TV Torreon, Coah. 4	XHOW-TV Mazatlan, Sin. 30
XHTV Mexico, D.F. 15	13: XEW-TV Aguascalientes, Ag. R-A
XHG-TV Guadalajara, Jal. 15	ZHII Mexico, D.F. #
5: XHCC-TV Colima, Col. 1	23: XHS-TV Ensenada, B.C. 1
XEJ-TV Ciu. Juarez, Chih.	Power indicated is video, with audio half video except XHAW-12 R-A: relay of XEW-2. which is R-B: relay of XHGC-5. 100/20kw. R-C: relay of XHTV-4. @ non-commercial. # not listed by R.F.M. * color transmissions.
XHFI-TV Chihuahua, Chih. 16	
XHAJ-TV Las Lajas, Ver. R-B	
XHGC-TV Mexico, D.F. 100	
6: XETV Tijuana, B.C. *	
XHZ-TV El Zamorano, Gto. R-C	
XEHL-TV Guadalajara, Jal. * 6	
XET-TV Monterrey, N.L. 80	
XEVH-TV Hermosillo, Son. 1.6	

ANARC CONVENTION = 1969

THE 1969 ANARC CONVENTION WAS HELD IN TORONTO 15-17 AUGUST AS YOU MAY KNOW. THE PUBLICITY FOR THE CONVENTION THIS YEAR WAS BELOW PAR WHICH PROBABLY EXPLAINS THE RELATIVELY POOR TURN-OUT OF DXERS EVEN IN THE IMMEDIATE AREA OF 100-200 MILES RADIUS FROM THE CONVENTION SITE. THE TURN-OUT OF TV-DXERS WAS AGAIN ABOVE THE NUMBER EXPECTED, AND IN HIGHER PROPORTION THAN NON-TV DXERS. FERDINAND DOMBROWSKI, MORRIE GOLDMAN, WAYNE PLUNKETT (HOST), MARK LEWIS, BOB SEYBOLD WERE PRESENT FROM WTFDA. IN ADDITION JIM WARNER AND MORRIS SORENSEN WERE THERE TO CONTRIBUTE TO THE DISCUSSIONS ON TV AND FM DX. MORRIE GOLDMAN AND I (FERDIE) WENT BACK TO BOB SEYBOLD'S MOUNTAIN WITH HIM TO SEE SOME DX BUT IT WAS THE SAME OLD STUFF WE SEE EVERY DAY FROM MILWAUKEE AND CHICAGO ANYHOW, SO IT WAS JUST LIKE HOME; (BOB SAID IT WAS A BAD DAY). WITH BOB'S PORTABLE SET-UP HOWEVER ONE COULD NOT EXPECT PERFECT RECEPTION, ALTHO WE DID GET POOR RECEPTION FROM WMBD-31 (ABOUT 520 MILES). BUT HE GETS WMBD OFTEN ANYHOW.

BOB TOOK HIS TV TO THE 54TH STOREY OF THE TORONTO DOMINION BANK BLDG AND REPORTED CONDITIONS LOOKED GOOD, UNTIL THE GUARDS CHASED ALL OF US OUT.

AFTER THE CONVENTION MORRIE AND I WENT ON TO MONTREAL TO SEE THE REMNANTS OF THE 1967 EXPO, AFTER WE HAD TOURED TORONTO'S CNE WHICH IS COMPARABLE TO A STATE FAIR.

Conducted by
David T. Janowiak

September
TECHNI/CORNER

3661 South 4th Street
Greenfield, Wisc., 53220

As promised, the Q/A session begins this month. Some questions submitted (they will appear later) are real "stinkers", but I'll answer as best I can. However, I must limit each answer somewhat, due to space available. If any DXer can add to my comments, please let me know and I'll run a "follow-up" later.

SLOP FROM CHANNELS 5 AND 6 RUIN UHF RECEPTION

Q....Gary Olsen asks, "What can be done about slop from strong locals on channels 5 and 6 that makes UHF reception difficult with UHF converters? I've written to Blonder Tongue about conversion to other channels, but received no reply," Gary continues. (Gary is referring to a weak, but still there, picture on ch. 5 from local 6, or vice versa, even when converter is set to UHF position.

A....VHF signals that mess up UHF conversion on channels 5 or 6 "get into" the converter through three paths (1) UHF antenna directly, (2) VHF antenna, of course, where they might be coupled via poor shielding or a selector switch with poor isolation into the UHF portion, (3) direct pickup by the converter, as the wiring, etc. acts as a pretty good "antenna" for strong locals. The result, of course, is random "blips" from any strong VHF or UHF source that might block UHF. Obviously, you can't do much about some of these, unless you buy a new converter. But let's start at the beginning.

UHF, of course, is received conventionally with either (1) a "built-in" UHF tuner that comes with all-channel TVs or (2) a UHF converter added externally to a TV set and connected via a few transmission line hook ups.

With the built-in tuner, UHF channels are converted to the IF frequency of the TV. With UHF selected, converted UHF signals are fed directly into the TV IF. There's no RF amplifier -- like British UHF tuners -- or no IF stage ahead of the TV IF to boost the desired signal after conversion. (A few rare sets years ago had an IF stage after conversion.) With UHF selected, you operate a 2-speed dial for the UHF channel desired, usually with some difficulty.

The so called "outboard" UHF converter converts UHF to a lower frequency also. But to simplify hook-up, the converter output is not the IF frequency of the TV, but is a discrete VHF channel(s). Thus, the converter feeds the TV tuner set to the output of the UHF converter. Since the TV VHF tuner converts this to the IF frequency of the TV, you have double conversion. No converters in the U.S. have an RF stage, but the quality ones have an IF.

Channels 5 and 6 were selected as the converter output for reasons I don't know. The fact that they are adjacent simplifies design, and the improved noise figure of a low TV channel and the absence of slop above ch. 6 help. Although commercial converters for different VHF channels -- or converters with a tunable output to span several channels -- are possible, they are uneconomical. So the two adjacent channel set up of ch. 5 and 6 was adapted. If you have a local on 5, you use 6, or vice versa.

A good UHF converter with IF stage and, usually, easier tuning has been favored by DXers over the built-in tuner. Since UHF tuners in all U.S. sets were added only to comply with the law, the buyer has suffered. Two or three basic types of transistorized tuners are available for all U.S. TVs, and none are worth a hoot for serious DXing. In fact, even the top of the line UHF converters with transistors leave a lot to be desired as they are almost useless in some strong signal areas, as reported by many DXers. (More than one DXer has asked me how to get a good "old fashioned" tube type converter of the 1962-1964 vintage. Some have been delighted to find good tube models for their demanding strong signal areas.)

But the superior performance of a UHF converter, however, does not come without some problems. If UHF and VHF sections are not shielded correctly, coupling of VHF signals into UHF section, and vice versa, may occur. Also, switching is required to feed VHF through the converter to the TV antenna terminals when UHF is not selected. Unfortunately, this also may, in some models, mean interaction between VHF and UHF. Of worse, VHF loss may be as high as 30% in the switch. (For critical, weak VHF tropes, the VHF antenna should bypass the converter.) When switched to UHF with a strong channel 5 or 6 selected, VHF is attenuated many, many times, but sometimes a fine VHF signal remains to fight weak UHF. If your

TV has poor fine tuning or poor adjacent channel rejection, or if you don't have enough UHF to begin with, you may have a problem, especially if strong VHF is somehow getting into the converter.

The coupling problem is usually annoying if a local under 10 miles is ruining 5 and 6. I don't think Gary's problem is at his Barrington, Ill. DX site, where ch. 5 in Chicago and ch. 6 in Milwaukee are strong indeed with a good VHF antenna, but shouldn't be strong enough to hurt UHF. (Barrington to me is a "dream" DX location, a fact that Gary would never have admitted to until he joined Ferdie and the writer in the shadow of Milwaukee's lousy TV stations.)

Solutions to the problem are many, depending upon how bad your DX set up is. The problem might be solved at no cost at all. Obviously, the problem is limited to those who DX with converters within a few miles of local VHFers.

1) If you use an all channel log periodic (2-83) antenna, you've got two strikes against you already. These antennas usually have a splitter for separation at the set of VHF TV, FM, and UHF TV. And these splitters are usually abominable. (JFD has improved their splitter several times, but how good or bad one that you get with the antenna is a guess.) Not only is isolation poor (that is, some VHF in UHF splitter section, etc.), loss is high. Also, the gain on 2-83 channel antennas is so low to begin with at UHF, after the split you're lucky to have any signal left. Generally, an otherwise fine 2-13 log periodic is ruined when a UHF log portion is "stuck on". Impedance match goes to heck, so VHF suffers also. Many makers compromise so that VHF portion is still quite good, but UHF performance is poor. You'll usually be better off with, for example, the largest 2-13 only log periodic and a \$3 UHF corner reflector and correct lead-in than the largest 2-83 log periodic in the same family. Even if you have no problem like Gary's. The log periodic principle, while fine for delivering "flat" impedance match over a wide frequency, just can't deliver high gain and flat impedance from ch. 2 to 83.

2) Any UHF antenna picks up some VHF signal (and therefore ch. 5 and 6), but this should be negligible except in the case of a poor splitter just described. Nothing can be done about the VHF signal coupled into the UHF section within the converter, but much VHF signal might be coupled from VHF to UHF via the T-line, if unshielded, especially if lines are parallel and quite close. Of course, if antennas are mounted too close to each other, VHF coupling into the UHF antenna will contribute to the trouble. Separate the antennas (usually five feet, at least) and lead-in and see if that helps. Also, check if unshielded T-line is positioned broadside to local transmitters; this can cause considerable local signal pick up.

3) Traps, of course, in the UHF line for ch. 5 and/or 6 will help. (Of course, other strong VHF signals also can ruin a few UHF channels.) Use Channel Masters or Jerrold tunables for severe problems, but a cheap T-line wave trap that attenuates unwanted signals by about four or five times might be enough to solve the problem, if the VHF signal is entering from the UHF line. Of course, the Channel Masters creates a loss of about 20 to 40% of all signals, the Jerrold 10%, and the T-line trap nothing (all approximate values). Finco, Winegard, and JFD sell cheap screwdriver or slug-tuned traps, either for single channel or 2-6 and 7-13. I haven't purchased these, haven't heard of anyone who used same, so can't evaluate them.

4) Some UHF converters have a high pass filter in the UHF antenna input circuit. This passes only UHF and reduces greatly the VHF component. Adding circuits of this type, with correct impedance, will help greatly.

5) Another approach is to get more UHF signal. Since the converter output is broadly tuned to cover ch. 5 and 6, try reducing converter IF bandwidth to just ch. 5 or ch. 6. My Blonder Tongue BTU-2 had an IF output quite low at ch. 5, higher through ch. 6, and really peaked at 90 megahertz in the FM band! I removed the swamping resistor and "created" a bit of inductance by compressing the coil until I had a three megahertz bandwidth output on ch. 5. Circuit Q was increased by about three times. This made some visual improvement of signal, and slop from ch. 6 was nonexistent. Of course, on very weak signals I can't tune sound and pix, but who cares. Return the output for the most "open" channel. Of course, if you are handy with electronics enough to do this you can build simple L/C

parallel or series traps to remove other strong VHF signals that might enter the converter (and, of course, VHF tuner), and mess up some channels. And, of course, a good low noise mixer diode like the IN21WE can improve the noise figure considerably for a better UHF signal. (Those with even limited electronic know-how and equipment should try to improve their UHF converter considerably, even if no slop problem is there, by narrowing the IF bandwidth and adding a low noise diode as noted.)

6) Yes, you can redesign for an output at ch. 2 or 3, or 4; any converter will tune UHF on these channels anyway, but usually the signal is down due to mismatch. But try tuning UHF on ch. 4 anyway. The IF output just might be tuned so far off that it's useable on ch. 4. (While we're on this subject, those with no locals on ch. 5 and 6 should see on what channel UHF reception is best. Might surprise you.) Unless you have equipment to redesign the converter for output on another channel, however, leave well enough alone. Don't upset those UHF tuning controls without correct equipment.

Shielding of converter might help, also. Or you can buy another converter and hope. Better to get a schematic first, however; but this doesn't tell you what you want to know (how much interaction or loss exists in the switch). And tune that TV fine tuning carefully. Sometimes "breathing" on a good fine tuning control is just enough to eliminate a spike of nuisance from a VHF source.

WET WEATHER AND DX

Q....Gary Olsen asks "Seems that during rainy weather, DX is nonexistent. Doesn't wet weather and DX mix?"

A....The weather and its relationship to DX has both fascinated and frustrated DXers. Some study the weather forecasts intently and plan their DXing accordingly; others have stumbled onto patterns that sometimes help them predict openings; others pay little or no attention to the weather. Without going into any detail on the subject (a whole book could be written) let's look at how local weather affects different types of propagation.

For tropics -- as for other propagation -- local weather really has little effect. Yes, a high pressure front near my Great Lakes site promises improved local and near fringe tropics; possibly good 400-700 mile tropics may occur. And a low pressure front locally usually means reduced local tropics. But the best long range (600-800 mile) tropics has been received often with various high and low pressure fronts locally and between here and the transmitter, usually arranged in a "convenient" DX pattern. Sometimes a station over 500 miles is received on tropics but four or five stations closer on the same channel are not. Often all locals in 150 mile range stink, but tropics to 500-700 miles is excellent in a given direction.

Unfortunately, low pressure locally sometimes means rain, and this might lead to popular misconceptions about rain and poor tropics. However, if a lossy T-line is used, rain can wipe out not only tropics but all forms of DX. In Gary's case, with his antenna and T-line in a tree, loss is probably great (unless using shielded T-line) during and long after rain. Gary knows better, of course, but his set up is the best he can manage because apartment policy. For him, yes, wet weather and DX don't mix. .

For E's, local weather, of course, has no effect in creating the propagation, but it can help or hinder identification of E's. For example, if tropics levels of low band stations are up, it's just that much harder to identify E's. (I don't want to get into a discussion of E's plus tropo bending.) And if local conditions have reduced the near fringe low band signal levels, fine, E's can be identified easier. However, some DXers have the misconception that lower near fringe signal strengths due to T-line loss aid in E's identification. This is, of course, wrong. The skipper AND local signal strengths both are reduced equally, so nothing is gained.

Much the same for M's. If a flat T-line, for example, is used and you're trying to M's DX, forget it. Generally, if rain competely ~~wipes~~ wipes out all forms of DX, you are really short-changing yourself; get a good low loss line or shielded line, or give up DXing.

BUILD YOUR OWN FOUR BAY UHF ANTENNA FOR LOCAL UHF TV RECEPTION

A WORTH WHILE PROJECT FOR A UHF TV AREA. The entire cost will be less than a dollar to build. Following is a list of material that you will use.

One peice of corrugated cardboard 16" x 30"
One or two stiff cardboard boxes depending on size.
One small roll of aluminum foil. One roll of scotch transparent tape.
18 - 6/32" x 1/2" R.H. Brass Bolts, 18- Brass Hex Nuts 6/32"
38 Brass Washers. 4 ft. of radio hook up wire.
5 ft. or more of twin line 300 ohms.

INSTRUCTIONS: Cut out eight peices of stiff cardboard 1/2" wide on one end, 5 1/2" wide at other end, and 7" long as shown in figure #1. Cut on dotted lines...

Now cut a peice of cardboard which you can use as a pattern for cutting out the aluminum foil 1" x 6 1/2" x 7 1/2". Cut out 16 peices as shown in figure #2. Lay the pattern over the aluminum foil and mark all the way around the pattern. The 1/4" overlap will be used to fold over each half bow tie. Be sure to place cardboard with an even border of 1/4" all the way around. When you finish folding the foil over the eight peices, you then reverse each peice and do the same thing to the other side. This will give you completely covered bow ties. Take some scotch tape and seal the folded edges all the way around each peice and on one side only.

After all have been sealed, you can draw center lines on the 16" x 30" Corrugated cardboard, vertical and horizontal. Lay your Bow Ties on the cardboard mounting, and space the full sized bow ties two inches apart. The small ends that meet, should be one inch apart. It will require two 6/32" x 1/2" brass bolts, two hex nuts and two brass washers for each bolt. This is for each half bow tie. After all the bow ties are mounted, you then use your radio hook up wire, and wire according to figure #3. The terminals should be in the center of your mounting board. This is the connections for your UHF TV Twin line. Use five feet of twin line or longer depending where you will use it. Check for best direction and picture quality. When you are sure of the proper dircetion, you can hang antenna in the attic or second floor, running your twin line to the TV set. Twin line should be twisted. If you live on the second floor or higher, this antenna will work very good in the same room, or close to the TV Set.

BY: THOMAS J. HIDLEY

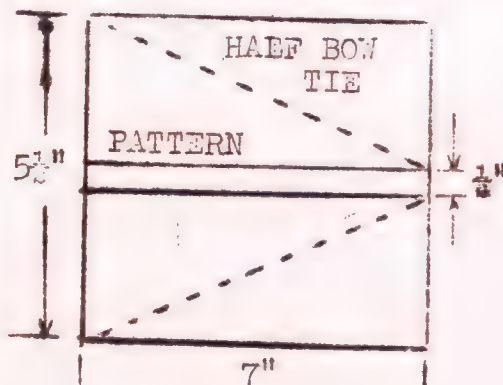


Fig. #1

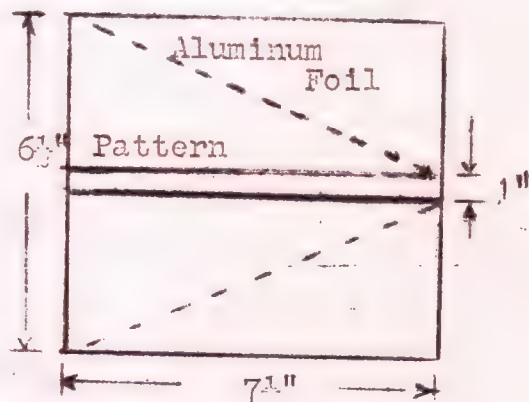


Fig. #2

BUILD YOUR OWN FOUR BAY UHF ANTENNA FOR LOCAL
UHF RECEPTION.

PAGE TWO

BY: THOMAS J. HIDLEY

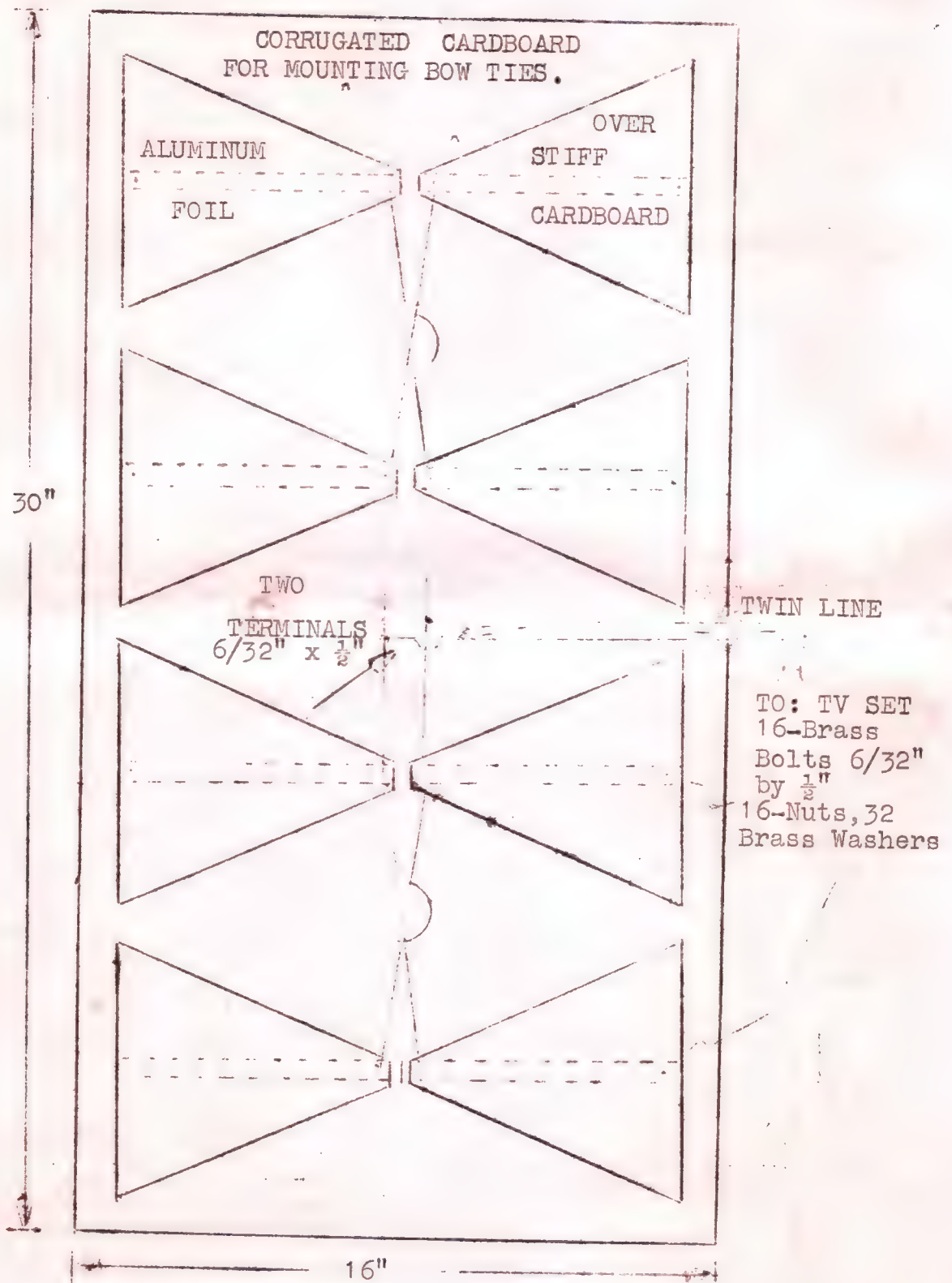


Fig.#3

POPULAR MECHANICS AUG. 1962

NOTE : REPRINTED WITH AUTHOR'S PERMISSION..

EDITORIAL = GROWING PAINS

WE HAVE BEEN HAVING PROBLEMS THE LAST FEW MONTHS AT HQ AND AMONG THE EDITORS. AS YOU KNOW THE HQ STAFF IS COMPOSED OF THOSE WHO HELP OUT WITH PUBLISHING CHORES, AND ALL DECISIONS AFFECTING THE CLUB COME FROM THIS STAFF OF SEVERAL PEOPLE, NOT JUST FROM THE PRESIDENT HIMSELF. THE AMOUNT OF WORK WE ALREADY HAVE AND THE AMOUNT OF WORK WE'D LIKE TO DO BEYOND THIS ARE SEVERELY LIMITED BY THE AMOUNT OF TIME AVAILABLE. THEREFORE WE ARE STARTING TO IMPOSE SOME RESTRICTIONS, AND SOME OF THEM RUN CERTAIN EDITORS THE WRONG WAY UNFORTUNATELY. THIS WILL ULTIMATELY AFFECT ALL OF YOU SO I AM TELLING ALL OF YOU AT ONCE.

WE HAVE DECIDED TO LIMIT THE VUD TO 48 PAGES (24 SHEETS) BECAUSE OF TIME AVAILABLE AND POSTAGE RATES. MANY CLUBS LIMIT EACH EDITOR TO A CERTAIN NUMBER OF PAGES AS WELL, BUT WE FEEL THIS IS DETRIMENTAL TO THE CLUB, SO WE SHALL ONLY LIMIT THE TOTAL VUD SIZE AND REMAIN FLEXIBLE AS TO THE LENGTH OF EACH COLUMN. HOWEVER WE ARE ALSO SEEKING TO ELIMINATE WHAT WE FEEL IS USELESS INFORMATION WITHIN THOSE COLUMNS AND THIS IS WHERE A CONTROVERSY HAS ARISEN, NAMELY IN THE WESTERN TV COLUMN. AT HQ WE FELT COMMERCIALS AND PROGRAM DETAILS ARE USELESS AND CUT THEM OUT OF GLENN HAUSER'S REPORT WHICH WAS THE ONLY REPORT EASY TO "CENSOR" AT HQ AFTER DENNIS SMITH HAD SENT THE STENCILS HERE. GLENN DID NOT LIKE THIS, FEELING THE INFORMATION IS VALUABLE, AND DENNIS DIDN'T KNOW WHAT TO THINK. IF ANYONE ELSE FEELS IT IS USEFUL, OR USELESS, WE'D LIKE TO HEAR ABOUT IT; OTHERWISE WE SHALL PRESUME THE INFORMATION IS NOT WORTH THE SPACE IT TAKES IN THE DIGEST AND IT WILL STAY OUT OF THE VUD FROM HERE ON.

THE NEW REPORT FORM WAS REQUESTED BY MORRIE GOLDMAN TO PUT ALL DX REPORTS IN AN EASY-TO-READ FORMAT FOR RETYPING ONTO STENCILS, WHICH IS A BIG JOB FOR ANYONE. EDITORS ARE OFTEN PLAGUED WITH SLOPPY REPORTS, IN PARAGRAPH FORM USUALLY, WHICH ARE DIFFICULT TO FOLLOW WHILE TRYING TO TYPE THE INFO ONTO STENCILS. EACH EDITOR HAS ONLY A SHORT TIME EACH MONTH TO EDIT AND TYPE UP THE REPORTS AND SEND THEM TO HQ FOR PUBLICATION, AND MORRIE SAYS THE REPORT FORM HAS HELPED TREMENDOUSLY. ONE EDITOR HAS SAID HE DOES NOT WANT HIS REPORTERS TO USE THE FORM, HOWEVER, BECAUSE HE IS USED TO THE DIFFICULT-TO-READ PARAGRAPH FORMAT THAT NRC USES. (HOW THE FORMAT OF A BCB CLUB INVOLVES WTFDA I AM NOT SURE, BUT THE NEW FORMAT OF THE EASTERN TV COLUMN IS PREFERRED BY HQ ALTHO WE HAVE NEVER DEMANDED ANY SPECIFIC FORMAT FROM OUR EDITORS. WE FEEL THAT ALTHO THE NEW FORMAT TAKES MORE SPACE, IT IS INFINITELY EASIER TO READ THAN THE PARAGRAPH FORMAT WHICH THROWS DX TOGETHER WITH CHATTER, JOKES, SARCASTIC REMARKS, ETC. THE PERSON WHO ONLY WANTS THE BARE FACTS IS NOT ABLE TO FIND THEM AMONG ALL THE OTHER INFO. WE DO NOT WISH TO ELIMINATE THE CHATTER AND COMMENTS BUT ONLY TO SEPARATE THEM FROM THE BARE FACTS--WHICH IS THE DX ITSELF.

IN TRYING TO MAKE THE VUD A QUALITY PUBLICATION, WE ARE CONSTANTLY STRIVING, (WITH LIMITED RESULTS), TO IMPROVE TYPING, GRAMMAR, ETC IN MAKING THIS A BETTER PUBLICATION THAN SOME OTHERS THAT ABOUND WITH SUCH FAULTS. WE SHALL NEVER ACHIEVE PERFECTION I AM AFRAID, BUT WE TRY HARDER. ONE PROBLEM EVERY CLUB ENCOUNTERS AT ONE TIME OR OTHER IS OFFENDING SOMEONE--WHETHER A MEMBER OF ITS OWN CLUB OR ANOTHER. I DISCOVERED EARLY IN MY "REIGN" THAT I CAN BE MISQUOTED AND THEREBY OFFEND SOMEONE. (ONE OF MY EARLY EDITORIALS WAS WIDELY QUOTED IN OTHER CLUBS AND SOMETIMES CAME OUT QUITE DIFFERENT FROM THE WAY I WROTE IT.) I CAN'T DO ANYTHING ABOUT BEING MISQUOTED, BUT I TRY NOT TO OFFEND ANYONE BY SAYING SOMETHING WITH A DOUBLE MEANING OR BLATANTLY ATTACKING THE INTEGRITY OF ANOTHER AS SOME EDITORS OF OTHER CLUBS DO. I GUESS THAT MAY BE CONSIDERED A BLATANT ATTACK RIGHT THERE, BUT WHAT I'M DRIVING AT IS THAT THE DXER AND ESPECIALLY THE EDITOR WHO TYPES THE DXER'S REPORT SHOULD BE CAREFUL OF THIS; AND OF COURSE THE EDITOR SHOULD BE CAREFUL OF WHAT HE HIMSELF SAYS SINCE HE REPRESENTS THE CLUB AND THE CLUB IS JUDGED BY THE INTEGRITY OF ITS EDITORS.)

BY AND LARGE, WE HAVE HAD AN EXCELLENT STAFF OF EDITORS, AND WE HAVE GIVEN THEM VIRTUALLY A FREETHAND IN SETTING THEIR FORMATS AND STYLE OF WRITING. BUT WITH THE INCREASED WORK LOAD AT HQ WE ARE ASKING FOR FURTHER COOPERATION TO HELP US OUT HERE IN MILWAUKEE. WE ALL HAVE OUR OWN COLUMNS AS DO THE OTHER EDITORS, BUT WE ALSO CONTRIBUTE A LOT OF TIME AND SWEAT EACH MONTH TO PUBLISH, SORT, COLLATE, ADDRESS AND STAMP EACH OF THE 150 DIGESTS, AND THAT IS ALSO A LOT OF WORK. WE DON'T ASK THAT YOU COME 80-100 MILES EVERY MONTH AT YOUR OWN EXPENSE AS MORRIE GOLDMAN, BILL HEUSMANN, AND J. HANSEN HAVE DONE NUMEROUS TIMES, BUT HELP US IN OTHER WAYS. ON THE FLIP SIDE OF THIS PAGE IS A LIST OF PROJECTS WE WANT BUT DON'T HAVE TIME TO DO. CAN YOU HELP US IMPROVE THE VUD?

ASK NOT WHAT YOUR CLUB

THE FOLLOWING ARE A LIST OF PROJECTS WE INTENDED TO DO AT HQ BUT DON'T HAVE THE TIME. IF YOU WOULD LIKE TO HELP THE CLUB BY DOING ANY OF THESE THINGS, OR HAVE ANY SUGGESTIONS AS TO HOW TO IMPROVE THESE PROJECTS, OR ADD OTHER PROJECTS, PLEASE WRITE HQ.

1. PREPARE A LIST OF VARIOUS TV NETWORKS OTHER THAN THE MAJOR 4 COMMERCIAL AND EDUCATIONAL NETWORKS IN THE USA, (OR SIMILAR IN CANADA). GROUP OWNERSHIPS MAY ALSO BE INCLUDED AS THEY OFTEN HAVE SIMILAR IDs, TPs, OR SYNDICATED PROGRAMS. THE PERSON ACCEPTING SHUD HAVE ACCESS TO TV FACTBOOK, BROADCASTING YEARBOOK AND ANY OTHER APPROPRIATE SOURCES OF INFORMATION. A LOCAL LIBRARY MAY HAVE THEM. A NOTICE WILL BE RUN IN THE VUD ASKING ALL MEMBERS TO SUBMIT ANY INFORMATION THEY HAVE TO ASSIST THE PERSON COMPILING. EXAMPLES: KANSAS SATE NETW: KCKT-2, KTVH-12, ETC. KAISER: WKBD-50, WKBF-61, ETC. TIGERS BASEBALL NETW: WJBK-2, WKZO-3, ETC. AVCO: WLWD-2, WLWT-5, WLWC-4, OTHER SPORTS, EDUCATIONAL, AND REGIONAL NETWORKS. ETC.

2. PREPARE A LIST SIMILAR TO THE ABOVE COVERING FM STATIONS: NEWS NETWORKS, EDUCATIONAL AND/OR MUSIC NETWORKS, ETC.

3. PREPARE A LIST OF STATION SIGN-ON TIMES. A QUESTIONNAIRE WILL BE PUBLISHED IN VUD ASKING SUCH INFORMATION BE SUBMITTED TO THE PERSON COMPILING THE LIST. PROGRAMMING AND/OR TESTING TIMES SHUD BE COMPILED. TV GUIDE EXCHANGES AND NEWSPAPER SCHEDULES WILL GIVE THE PROGRAMMING TIMES, AND IF A FEW MEMBERS IN STRATEGIC AREAS WILL GET UP EARLY THEY CAN PROVIDE THE TESTING TIMES. (I CAN ALREADY PROVIDE THE TESTING TIMES FOR VIRTUALLY EVERY STATION WITHIN 250 MILES OF MILWAUKEE, UHF AND VHF). THIS LIST MAY BE COMPILED ACCORDING TO CHANNEL OR TIME, OR ANY OTHER PRACTICAL METHOD.

4. PREPARE A LIST OF ALL-NIGHT (24 HOUR) FM STATIONS.

5. PREPARE A LIST OF ALL-NIGHT (24 HOUR) TV STATIONS.

6. COMPILE A LIST OF LATIN AMERICAN TV STATIONS.

7. COMPILE A LIST OF LATIN AMERICAN FM STATIONS.

8. IF POSSIBLE, PREPARE A LIST OF UHF TV STATION OFFSET FREQUENCIES. (IN THE WORKS IS AN ARTICLE ON THE USEFULNESS OF TV OFFSETS. VHF OFFSETS FOR ALL COUNTRIES ARE READILY AVAILABLE BUT THE FCC SAYS UHF OFFSETS HAVE NOT BEEN ASSIGNED. AS LATE AS 1965 AN OFFSET LIST WAS PUBLISHED IN BROADCASTING MAGAZINE AND THIS WILL DO FOR A STARTER; IT WILL THEN BE NECESSARY TO OBTAIN THE CORRECTIONS--IF ANY--BY OBSERVATION OF MEMBERS IN LOCATIONS WHERE THEY ARE ABLE TO SEE 2 OR 3 STATIONS ON A CHANNEL TO COMPARE THEM.

9. COMPILE A COMPREHENSIVE FM STATION LIST, INCLUDING AT LEAST CALL, FREQUENCY, POWER VERTICAL, POWER HORIZONTAL, TOWER HEIGHT, NETWORK AFFILIATION, STEREO OR NOT.

10. PREPARE TV STATION CHANNEL MAPS, I.E., A MAP OF NORTH AMERICA FOR EACH CH SHOWING CALL, OFFSET AND NETWORK. (FOR UHF 5 OR 6 CHANNELS TO ONE MAP ARE ADEQUATE.) REMEMBER THAT SINCE COPYRIGHTS ARE INVOLVED YOU CAN'T JUST COPY A MAP FROM AN ATLAS AND DRAW IN THE STATIONS; YOU MUST USE YOUR OWN TRACED OUTLINE MAP AND DRAW IN THE APPROPRIATE STATIONS IN THE PROPER PLACES.

11. EITHER DESIGN OR SEND US SUGGESTIONS FOR FUTURE COVERS FOR THE VUD.

12. IF YOU FEEL YOU ARE KNOWLEDGABLE ON A SUBJECT OF INTEREST TO OUR MEMBERS, WRITE AN ARTICLE ABOUT IT. PHOTOS AND ILLUSTRATIONS CAN BE INCLUDED, BUT PHOTOS MUST BE OF HIGH CONTRAST TO REPRODUCE WELL BY MIMEOGRAPH. ILLUSTRATIONS SHUD BE NEATLY DONE AS WELL. WE CAN ASSIST WITH THE ILLUSTRATIONS AND/OR PHOTOS TO OBTAIN BEST RESULTS.

13. IN GENERAL, SEND US YOUR SUGGESTIONS ON HOW TO IMPROVE THE CLUB AND THE "VHF-UHF DIGEST." WE ALWAYS WELCOME COMMENTS, SUGGESTIONS, CRITICISMS.

TV/FM/VHF DX REPORT

NAME/ NAME _____

FOR THE PERIOD FROM _____

ADDRESS/ORT _____

TO _____, 1969.

CITY/STADT _____

PRESENT LOG TOTALS: _____

COUNTRY/LAND _____ ZIP/POSTLEITZAHL _____

TIME STANDARD USED:

ANTENNAS, RECEIVERS, PRE-AMPS, ETC.

[illegible]

DATE	PROPAGATION	TIME	STATION	CHAN./FREQ.	LOCATION	OTHER INFORMATION

WORLDWIDE TV-FM DX ASSN.
SERVING VHF-UHF DX ENTHUSIASTS
P.O. BOX 5001 HARBOR STA.
MILWAUKEE, WI. 53204, U.S.A.

THIRD CLASS
RETURN REQUESTED



Albert J. Kopeck

RD #1

Humed, N.Y.

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